**Biofunctional LEAF™ Antibodies**

| Specificity | Clone | Biofunction | Application References |
| --- | --- | --- | --- |
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| [Mouse CD66a (CEACAM1a)](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-mouse-cd66a-ceacam1a-antibody-5985.html) | MAb-CC1 | Blocking1 | 1. Turner B.C., et al. 2004. J. Virol. 78 (10):5486. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=J.%20Virol.%2078%20(10)%3A5486.) |
| [Mouse CD70 (CD27R)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=2338) | FR70 | Blocking1,2 | 1. Akiba, H., H., et al., 1999. J. Immunol. 162:7058.[PubMed](http://www.ncbi.nlm.nih.gov/pubmed/10358148) 2. Takeda, K., et al., 2000. J. Immunol. 164:1741.[PubMed](http://www.ncbi.nlm.nih.gov/pubmed/10657619) |
| [Mouse CD80 (B7-1)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=423) | 16-10A1 | Blocking1,2 | 1. Razi-Wolf, Z., et al., 1992. PNAS 89:4210. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/1373896) 2. Hathcock, K.S., et al., 1994. J. Exp. Med. 180:631. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/7519245) |
| [Mouse/Rat CD81 (TAPA-1)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=237) | Eat-2 | Induction1 | 1. Maecker, H. T., et al., 2000. Hybridoma 19:15.[PubMed](http://www.ncbi.nlm.nih.gov/pubmed/10768837) |
| [Mouse/Rat CD81 (TAPA-1)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=237) | Eat-2 | Costimulation1 | 1. Maecker, H. T., et al., 2000. Hybridoma 19:15. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/10768837) |
| [Mouse/Rat CD81 (TAPA-1)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=237) | Eat-2 | Activation1 | 1. Clark, K. L., et al., 2001. J. Immunol. 167:5115.[PubMed](http://www.ncbi.nlm.nih.gov/pubmed/11673522) |
| [Mouse CD86 (B7-2)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=255) | GL-1 | Blocking1,2 | 1. Hathcock, K.S., et al., 1993. Science 262:905. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/7694361)2. Inaba, K., M., et al., 1994. J. Exp. Med. 180:1849. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/7525841) |
| [Mouse CD88 (C5aR)](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-mouse-cd88-c5ar-antibody-6239.html) | 20/70 | Blocking1 | 1. Godau, J., et al. 2004. J. Immunol. 173:3437. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=J.%20Immunol.%20173%3A3437.) |
| [Mouse CD90 (Thy-1)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=243) | G7 | Activation1,2 | 1. Gunter, K.C., et al., 1984. J. Exp. Med. 159:716. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/6142077)2. Tentori, L., et al., 1988. J. Immunol. 140: 1089[.PubMed](http://www.ncbi.nlm.nih.gov/pubmed/2893823) |
| [Mouse CD90 (Thy-1)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=243) | G7 | Apoptosis1,2 | 1. Hueber, A.-O., et al., 1994. J. Exp. Med. 179: 785. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/7906706)2. Ucker, D.S., et al., 1992. J. Immunol. 149: 1583. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/1380534) |
| [Mouse CD90.2 (Thy-1.2)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=105) | 30-H12 | Depletion1,2  | 1. Hathcock, K.S. 1991. Curr. Protocols Immunol. 341 [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/7694361)2. Seaman, W.E., 1983. J. Immunol. 130:1713. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/6187819) |
| [Mouse CD90.2 (Thy-1.2)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=105) | 30-H12 | Costimulation1,2 | 1. Nakashima, I., et al., 1991. J. Immunol. 147:1153.[PubMed](http://www.ncbi.nlm.nih.gov/pubmed/1678398)2. Nakashima, I., et al., 1993. J. Immunol. 151:3511.[PubMed](http://www.ncbi.nlm.nih.gov/pubmed/8104221) |
| [Mouse CD96 (TACTILE)](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-mouse-cd96-tactile-antibody-5510.html) | 3.3 | Functional Assay1 | 1. Fuches A et al. 2004. J. Immunol. 172:3994. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=%20J.%20Immunol.%20172%3A3994) |
| [Mouse CD103](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=4913) | 2E7 | Activation1 | 1. LeFrancois, L., et. al., 1994. Eur. J. Immunol*.* 24:635.[PubMed](http://www.ncbi.nlm.nih.gov/pubmed/7907296) |
| [Mouse CD106 (VCAM-1)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=138) | 429 (MVCAM.A) | Blocking1,2 | 1. Kinashi, T., et al., 1994. Blood Cells 20:25. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/7527678)2. Meunier, M-C., et al., 2005. Nature Medicine 11:1222. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/7527678) |
| [Mouse CD115 (CSF-1R)](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-mouse-cd115-csf-1r-antibody-6215.html) | AFS98 | Blocking1 | 1. Sudo, T., et al. 1995, Oncogene, 11:2469. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/8545103) |
| [Mouse CD117 (c-kit)](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-mouse-cd117-c-kit-antibody-6141.html) | ACK2 | Depletion1 | 1. Yoshinaga, K., et al. 1991. Development. 113:689. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/1723681) |
| [Mouse CD117 (c-kit)](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-mouse-cd117-c-kit-antibody-6141.html) | ACK2 | Blocking1 | 1. Broudy, VC., et al. 1996. Blood 88:75. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/8704204) |
| [Mouse CD120a (TNF R Type I/p55)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=1028) | 55R-170 | Blocking1 | 1. Sheehan, K. C., et al., 1995. J. Exp. Med. 181:607.[PubMed](http://www.ncbi.nlm.nih.gov/pubmed/7836916) |
| [Mouse CD120a (TNF R Type I/p55](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=1525)) | 55R-593 | Blocking1 | 1. Sheehan, K. C., et al., 1995. J. Exp. Med. 181:607. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/7836916) |
| [Mouse CD120b (TNF R Type II/p75)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=1637) | TR75-32.4 | Blocking1 | 1. Sheehan, K. C., et al., 1995. J. Exp. Med. 181:607. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/7836916) |
| [Mouse CD120b (TNF R Type II/p75)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=1638) | TR75-54.7 | Blocking1 | 1. Sheehan, K. C., et al., 1995. J. Exp. Med. 181:607. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/7836916) |
| [Mouse CD122 (IL-2R β)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=4157) | TM-β1 | Block1 | 1. Tanaka, T., et al., 1991. J. Immunol. 147:2222.[PubMed](http://www.ncbi.nlm.nih.gov/pubmed/1918958) |
| [Mouse CD122 (IL-2R β)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=4157) | TM-β1 | Depletion1 | 1. Tanaka, T., et al., 1993. J. Exp. Med. 178:1103. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/8350049)  |
| [Mouse/Rat CD126 (IL-6 R α chain)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=1542) | D7715A7  | Blocking1,2 | 1. Coulie, P. G., et al., 1990. Curr. Top. Microbiol. Immunol. 166:43. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/2073815)2. Vink, A., et al., 1990. J. Exp. Med. 172:997. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/2388041) |
| [Mouse CD127 (IL-7Rα)](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-mouse-cd127-il-7ralpha-antibody-6537.html) | A7R34 | Blocking1 | 1. Taylor, R., et al. 2007. J. Immunol. 178:5659. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=J.%20Immunol.%20178%3A5659.) |
| [Mouse CD134 (OX-40)](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-mouse-cd134-ox-40-antibody-2607.html) | OX-86 | Stimulation1 | 1. Al-Shamkhani, A., et al. 1996. Eur. J. Immunol. 26:1695. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=Eur.%20J.%20Immunol.%2026%3A1695.) |
| [Mouse CD132 (common γ chain)](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-mouse-cd132-common-gamma-chain-antibody-5632.html) | TUGm3 | Blocking1,2 | 1. Kondo, M., et al. 1993. Science 262:1874. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=Science%20262%3A1874)2. Kimura, Y., et al. 1995. Int Immunol. 7:115. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/7718508) |
| [Mouse CD135](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-mouse-cd135-antibody-6172.html)  | A2F10 | Functional Assay1 | 1. Sergejeva S., et al. 2004. Blood 103:1270. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/14512324) |
| [Mouse CDw137 (4-1BB Ligand)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=503) | TKS-1 | Blocking1 | 1. Akiba, H., et al., 2000. J. Exp. Med. 191:375.[PubMed](http://www.ncbi.nlm.nih.gov/pubmed/10637281) |
| [Mouse CD137 (IL-3R β, common β chain)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=503) | 17B5 | Blocking1 | 1. Zheng, G., et al., 2004. J. Immunol. 173:2428[.PubMed](http://www.ncbi.nlm.nih.gov/pubmed/15294956) |
| [Mouse CD140a](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-mouse-cd140a-antibody-6252.html)  | APA5 | Blocking1 | 1. Takakura, N., et al. 1996. J. Invest. Dermatol. 107:770. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=J.%20Invest.%20Dermatol.%20107%3A770.) |
| [Mouse CD140b](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-mouse-cd140b-antibody-6255.html) | APB5 | Blocking1 | 1. Sano, H., et al. 2001. Circulation 103:2955. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=Circulation%20103%3A2955.) |
| [Mouse CD144 (VE-cadherin)](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-mouse-cd144-ve-cadherin-antibody-6568.html) | BV13 | Blocking1 | 1. Corada, M., et al. 1999. P. Natl. Acad. Sci. USA 96:9815. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=P.%20Natl.%20Acad.%20Sci.%20USA%2096%3A9815.) |
| [Mouse CD144 (VE-cadherin)](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-mouse-cd144-ve-cadherin-antibody-6565.html) | VECD1 | Blocking1 | 1. Hirashima, M., et al. 1999. Blood 93:1253. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/9949168) |
| [Mouse CD150 (SLAM)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=1370) | TC15-12F12.2 | Costimulation1 | 1. Castro, A.G., et al., 1999. J. Immunol. 163:5860. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/10570270) |
| [Mouse CD150 (SLAM)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=1370) | TC15-12F12.2 | Inhibition1 | 1. Jordan, M. A., et al., 2007. J. Immunol. 178:1618.[PubMed](http://www.ncbi.nlm.nih.gov/pubmed/17237411) |
| [Mouse CD152 (CTLA-4)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=195) | 9H10 | Costimulation1 | 1. Krummel, M.F., et al., 1995. J. Exp. Med. 182:459.[PubMed](http://www.ncbi.nlm.nih.gov/pubmed/7543139) |
| [Mouse CD152 (CTLA-4)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=195) | 9H10 | Blocking1,2 | 1. Krummel, M.F., et al., 1995. J. Exp. Med. 182:459. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/7543139)2. Krummel, M.F., et al., 1996. Int. Immunol. 8:519. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/8671638) |
| [Mouse CD152 (CTLA-4)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=515) | UC10-4B9 | Blocking1,2 | 1. Walunas, T.L., et al., 1994. Immunity 1:405. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/7882171)2. McCoy, K., et al., 1997. J. Exp. Med. 186:183. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/9221747) |
| [Mouse CD154 (CD40L)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=405) | MR1 | Blocking1,2 | 1. Noelle, R.J., et al., 1992. PNAS 89:6550. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/1378631)2. Roy, M., et al., 1995. Eur. J. Immunol. 25:596. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/7533092) |
| [Mouse CD178 (FasL)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=390) | MFL3 | Blocking apoptosis1,2 | 1. Fuller, C.L., et al., 1999. J. Immunol. 162:6337. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/10352245)2. Kayagaki, N., et al., 1997. PNAS 94:3914. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/9108079) |
| [Mouse/Rat CD178 (FasL)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=394) | MFL4 | Blocking1,2 | 1. Trinité, B., et al., 2000. J. Immunol. 165:4202. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/11035052)2. Kayagaki, N., et al., 1997. PNAS 94:3914. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/9108079) |
| [Mouse CD178.1 (FasL)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=337) | Kay-10 | Blocking1,2 | 1. Kayagaki, N., et al., 1997. PNAS 94:3914. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/9108079)2. Hattori, K., et al., 1998. Blood 91:4051. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/9596649) |
| [Mouse CD180 (RP105)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=2300) | RP/14 | Activation1,2 | 1. Miyake, K., et al., 1994. J. Exp. Med. 180 :1217. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/7523567)2. Chan, V.W.F., et al., 1998. J. Exp. Med. 188:93. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/9653087) |
| [Mouse CD180 (RP105)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=2300) | RP/14 | Induction/Protection of Apoptosis1, 2 | 1. Miyake, K., et al., 1994. J. Exp. Med. 180:1217. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/7523567)2. Yamashita, Y., et al., 1996. J. Exp. Med. 184:113.[PubMed](http://www.ncbi.nlm.nih.gov/pubmed/8691124) |
| [Mouse CD183 (CXCR3)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=4594) | CXCR3-173 | Blocking1 | 1. Uppaluri, R., et al. 2008. Transplantation. 86:137. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/11459933) |
| [Mouse CD210 (IL-10 R)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=1512) | 1B1.3a | Blocking1,2 | 1. Iwashiro, M., et al., 2001. PNAS 98:9226. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/11459933) 2. Vicari, A.P., et al., 2002. J. Exp. Med. 196:541. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/12186845) |
| [Mouse CD223 (LAG-3)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=4484) | C9B7W | Inhibition, not blocking1,2 | 1. Workman C.J., et al*.,* 2002. Eur. Immunol*.* 32:2255. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/12209638)2. Workman, C.J. et al., 2005. J. Immunol*.* 174:688.[PubMed](http://www.ncbi.nlm.nih.gov/pubmed/15634887%5D) |
| [Mouse CD226 (DNAM-1)](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-mouse-cd226-dnam-1-antibody-5523.html) | 480.1 | Functional Assay1 | 1. Dardalhon V et al. 2005. J. Immunol. 175:1558. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=J.%20Immunol.%20175%3A1558) |
| [Mouse CD243 (MDR-1)](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-human-cd243-mdr-1-antibody-6635.html) | UIC2 | Blocking1,2 | 1. Mechetner, E.B., and Roninson, I.B., 1992. Proc. Natl. Acad. Sci. USA 13:5824. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/1352877)2. Goda, K., et al. 2007. J. Pharmacol. Exp. Ther. 320:81. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/17050779) |
| [Mouse CD252 (OX40 Ligand)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=464) | RM134L | Blocking1,2 | 1. Akiba, H., et al., 1999. J. Immunol. 162: 7058. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/10358148) 2. Akiba, H., et al., 2000. J. Exp. Med. 191:375. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/10637281) |
| [Mouse CD253 (TRAIL)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=2561) | N2B2 | Blocking1,2 | 1. Kayagaki, N., et al., 1999. J. Immunol. 163:1906. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/10438925)2. Sato, K., et al., 2005. J. Immunol. 174:4025.[PubMed](http://www.ncbi.nlm.nih.gov/pubmed/15778360) |
| [Mouse CD254 (TRANCE, RANKL](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=308)) | IK22/5 | Blocking1,2 | 1. Miyahira, Y., et al., 2003. J. Immunol*.* 171:6344. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/14662831)2. Kamijo, S., et al., 2006. Biochem. Biophys. Res. Commun. 347:124.[PubMed](http://www.ncbi.nlm.nih.gov/pubmed/16815304) |
| [Mouse CD255 (TWEAK)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=2662) | MTW-1 | Blocking1 | 1. Nakayama, M., *et al.,* 2003. *Biochem. Biophys. Res. Commun.* 306:819.[PubMed](http://www.ncbi.nlm.nih.gov/pubmed/12821115) |
| [Mouse CD258 (LIGHT)](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-mouse-cd258-light-antibody-6476.html) | 15B2 | Blocking1 | 1. Jungbeck, M., et al. 2009. J. Immunol. 128:451.[PubMed](http://www.ncbi.nlm.nih.gov/pubmed/20067544) |
| [Mouse CD262 (DR5, TRAIL-R2)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=2666) | MD5-1 | Cytotoxicity1,2 | 1. Takeda, K., et al.,2004. J. Exp. Med. 199:437. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/14769851)2. Sato, K., et al., 2005. J. Immunol. 174:4025. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/15778360) |
| [Mouse CD272 (BTLA)](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-mouse-cd272-btla-antibody-6648.html) | 6A6 | Blocking1,2 | 1. Lepenies, B., et al. 2007. J. Immunol. 179:4093. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=J.%20Immunol.%20179%3A4093.)2. Albring, J., et al. 2010. J. Exp. Med. 207:2551. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=J.%20Exp.%20Med.%20207%3A2551.) |
| [Mouse CD273 (PD-L2, PDL2, B7DC)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=2548) | TY25 | Blocking1,2 | 1. Ansari, M.J.I., et al., 2003. J. Exp. Med. 198:63. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/12847137)2. Yamazaki, T., et al., 2005. J. Immunol. 175:1586. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/16034097) |
| [Mouse CD274 (B7-H1, PD-L2)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=4495) | 10F.9G2 | Blocking1 | 1. Maier H., *et al.,* 2007. J Immunol. 178:2714.[PubMed](http://www.ncbi.nlm.nih.gov/pubmed/17312113) |
| [Mouse CD275 (B7-RP1 , ICOSL, B7H2)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=2552) | HK5.3 | Blocking1,2 | 1. Iwai, H., et al., 2003. J. Immunol. 171:2848. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/12960306)2. Kohyama, M., et al., 2004. Proc. Natl. Acad. Sci. USA 101:4192 [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/15014176) |
| [Mouse CD276 (B7-H3)](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-mouse-cd276-b7-h3-antibody-5531.html) | RTAA15 | Functional Assay1 | 1. Xu, J., et al. 2006. Cellular and Molecular Immunology. 3(3):235 [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/16893505) |
| [Mouse/Human CD276 (B7-H3)](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-mouse-human-cd276-b7-h3-antibody-6218.html) | MIH35 | Functional Assay1 | 1. Hashiguchi M., et al. 2008. Proc Natl Acad Sci USA. 105(30):10495. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=Proc%20Natl%20Acad%20Sci%20USA.%20105(30)%3A10495) |
| [Mouse CD278 (ICOS)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=2478) | C398.4A | Costimulation1,2 | 1. Redoglia, V., et al. 1996. Eur. J. Immunol. 26:2781. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/8921969)2. Arimura, Y., et al. 2004. J. Biol. Chem*.* 279:11408[.PubMed](http://www.ncbi.nlm.nih.gov/pubmed/14707136) |
| [Mouse CD278 (ICOS)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=1734) | 7E.17G9 | Blocking1,2 | 1. Akbari, O., et al., 2002. Nat. Med. 8:1024. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/12145647)2. Harada, H., et al., 2003. J. Clin. Invest*.* 112:234. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/12865411) |
| [Mouse CD279 (PD-1)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=1374) | RMP1-14 | Blocking1 | 1. Matsumoto, K., et al., 2004. J. Immunol. 172:2530. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/14764726) |
| [Mouse CD279 (PD-1)](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-mouse-cd279-pd-1-antibody-6168.html) | 29F.1A12 | Functional Assay1 | 1. Good-Jacobson, K.L., et al., 2010. Nat. Immunol. 11:535. (FC) [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/20453843) |
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| [Mouse CD314 (NKG2D)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=1488) | A10 | Costimulation1,2 | 1. Gilfillan S, et al., 2002. Nat. Immunol. 3:1150. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/12426564)2. Ho, E.L., et al., 2002. J. Immunol. 169:3667. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/12244159) |
| [Mouse CD314 (NKG2D)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=1489) | C7 | Blocking1 | 1. Gilfillan, S., et al., 2002. Nat. Immunol. 3:1150. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/12426564) |
| [Mouse CD314 (NKG2D)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=1489) | C7 | Redirected lysis1 | 1. Ho, E.L., et al., 2002. J. Immunol. 169:3667. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/12244159) |
| [Mouse CD314 (NKG2D)](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-mouse-cd314-nkg2d-antibody-5263.html) | CX5 | Blocking1,2 | 1. Ogasawara, K., et al. 2003. Immunity 18:41. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=Ogasawara%2C%20Immunity%2018%3A41.)2. Ogasawara, K., et al. 2004. Immunity 20:757. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=Ogasawara%2C%20Immunity%2020%3A757.) |
| [Mouse CD317 (BST2, PDCA-1)](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-mouse-cd317-bst2-pdca-1-antibody-6230.html) | 927 | Functional Assay1 | 1. Blasius, A.L., et al. 2006. J. Immunol. 177:3260. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=J.%20Immunol.%20177%3A3260)  |
| [Mouse/human CD351 (Fc α/µ receptor)](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-mouse-human-cd351-fc-alpha-%C2%B5-receptor-antibody-6492.html) | TX61 | Blocking1 | 1. Shibuya, A., et al.., 2006. Springer Semin. Immunopathol. 28:377. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=Springer%20Semin.%20Immunopathol.%2028%3A377.) |
| [Mouse α-GalCer:CD1d complex](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-mouse-alpha-galcer%3Acd1d-complex-antibody-6800.html) | L363 | Blocking1 | 1. Yu, K.O., et al. 2007. J. Immunol. Methods 323:11. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/17442335) |
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| [Mouse Delta-like 4 (DLL4)](http://www.biolegend.com/leaf-purified-anti-mouse-dll4-antibody-5291.html) | HMD4 | Functional Assay1 | 1. Moriyama Y et al. 2008. Int J Immunology 20:763. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/18381350) |
| [Mouse FcεRIα](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-mouse-fcepsilonrialpha-antibody-5947.html) | MAR-1 | Depletion1 | 1. Sokol, CL., et al. 2008. Nat. Immunol. 9:310. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=Nat.%20Immunol.%209%3A310) |
| [Mouse FR4](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=4579) | TH6 | Cytotoxicity1 | 1. Yamaguchi, T., et al*.*: 2007. Immunity 27 (1):145 [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/17613255) |
| [Mouse Galectin-9](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-mouse-galectin-9-antibody-6285.html) | RG9-35 | Blocking1 | 1. Fukushima, A., et al. 2008. Int Arch Allergy Immunol 146:36. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/18087160) |
| [Mouse GITR](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=3197) | YGITR 765 | Stimulation1 | 1. Tone, M., et al., 2003. PNAS 100(25):15059. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/14608036) |
| [Mouse GITR](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=4642) | DTA-1 | Inhibition1 | 1. Shimizu, J., et al., 2002. Nat. Immunol. 3:135. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/11812990) |
| [Mouse GM-CSF](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-mouse-gm-csf-antibody-957.html) | MP1-22E9 | Neutralization1 | 1. Sander, B., et al. 1993. J. Immunol. Meth. 166:201. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=Sander%2C%20B.%2C%20et%20al.%201993.%20J.%20Immunol.%20Meth.%20166%3A201.) |
| [Mouse I-A/I-E](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=2486) | M5/114.15.2 | Blocking1,2 | 1. Shi, Y., et al., 1998. J. Exp. Med. 187:367. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/9449717)2. Kim, A., et al., 2004. Exp. and Mol. Med. 36:428. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/15557815) |
| [Mouse IFNAR-1](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=4766) | MAR1-5A3 | Blocking1 | 1. Sheehan, K.C., et al., 2006. J. Interferon Cytokine Res*.* 26:804. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/17115899) |
| [Mouse IFN-ß](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-mouse-ifn-%C3%9F-antibody-1622.html) | MIB-5E9.1 | Neutralization1 | 1. Zhu, X. 2007. J. Transl. Med. 5:10. (Neut.)  [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/17295916) |
| [Mouse IFN-γ](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-mouse-ifn-gamma-antibody-986.html) | R4-6A2 | Neutralization1 | 1. Abrams, J., et al. 1992. Immunol. Rev. 127:5. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/1387110) |
| [Mouse IFN-γ](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-mouse-ifn-gamma-antibody-996.html) | XMG1.2 | Neutralization1 | 1. Abrams, J., et al. 1992. Immunol. Rev. 127:5. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/1387110) |
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| [Mouse IFN-γ](http://www.biolegend.com/leaf-purified-anti-mouse-ifn-gamma-antibody-7176.html) | AN-18 | Neutralization1 | 1. Slade, S.J., et al. 1989. Immunobiology 179:353. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=Immunobiology%20179%3A353) |
| [Mouse IL-1α](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-mouse-il-1alpha-antibody-902.html) | ALF-161 | Neutralization1 | 1. Fuhlbrigge, R., et al. 1988. J. Immunol. 141:2643. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=J.%20Immunol.%20141%3A2643.) |
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| [Mouse IL-2](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-mouse-il-2-antibody-948.html) | JES6-1A12 | Neutralization1 | 1. Abrams, J., et al. 1992. Immunol. Rev. 127:5. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/1387110) |
| [Mouse IL-2](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-mouse-il-2-antibody-953.html) | JES6-5H4 | Neutralization1 | 1. Abrams, J., et al. 1992. Immunol. Rev. 127:5. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/1387110) |
| [Mouse IL-3](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-mouse-il-3-antibody-962.html) | MP2-8F8 | Neutralization1 | 1. Abrams, J., et al. 1992. Immunol. Rev. 127:5. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/1387110) |
| [Mouse IL-4](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-mouse-il-4-antibody-892.html) | 11B1 | Neutralization1 | 1. Shirai, A., et al. 1994. Cytokine 6:329. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=Shirai%2C%20A.%2C%20et%20al.%201994.%20Cytokine%206%3A329.) |
| [Mouse/Human IL-5](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-mouse-human-il-5-antibody-990.html) | TRFK5 | Neutralization1 | 1. Abrams, J., et al. 1992. Immunol. Rev. 127:5. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/1387110) |
| [Mouse IL-6](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-mouse-il-6-antibody-971.html) | MP5-20F3 | Neutralization1 | 1. Abrams, J., et al. 1992. Immunol. Rev. 127:5. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/1387110) |
| [Mouse IL-9](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-mouse-il-9-antibody-1337.html) | D9302C12 | Neutralization1 | 1. Renauld, J., et al. 1995. J. Leuk. Biol. 57:353. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=J.%20Leukoc.%20Biol.%2057%3A353.) |
| [Mouse IL-10](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-mouse-il-10-antibody-946.html) | JES5-2A5 | Neutralization1 | 1. Abrams, J., et al. 1992. Immunol. Rev. 127:5. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/1387110) |
| [Mouse IL-10](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-mouse-il-10-antibody-2758.html) | JES5-16E3 | Neutralization1 | 1. Abrams, J., et al. 1992. Immunol. Rev. 127:5. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/1387110) |
| [Mouse IL-12/IL-23 p40](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-mouse-il-12-il-23-p40-monomer-dimer-heterodimer-antibody-927.html) | C15.6 | Neutralization1 | 1. Kitagaki, K., et al. 2002. Clin. Diagn. Lab Immunol. 9:1260. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=Clin.%20Diagn.%20Lab%20Immunol.%209%3A1260.) |
| [Mouse IL-12/IL-13 p40](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-mouse-il-12-il-23-p40-monomer-dimer-heterodimer-antibody-931.html) | C17.8 | Neutralization1 | 1. Kitagaki, K., et al. 2002. Clin. Diagn. Lab Immunol. 9:1260. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=Clin.%20Diagn.%20Lab%20Immunol.%209%3A1260.) |
| [Mouse IL-17A](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-mouse-il-17a-antibody-3500.html) | TC11-18H10.1 | Neutralization1 | 1. Smith, E., et al. 2008. J. Immunol. 181:1357. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/18606690?dopt=Abstract) |
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| [Mouse Integrin β7](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=4060) | FIB504 | Blocking1,2 | 1. Andrew, D. P., et al., 1994. J. Immunol. 153:3847.[PubMed](http://www.ncbi.nlm.nih.gov/pubmed/7523506)2. Rott, L. S., et al., 1996. J. Immunol*.* 156:3727. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/8621908) |
| [Mouse LAP (TGF-β1)](http://www.biolegend.com/leaf-purified-anti-mouse-lap-tgf-beta1-antibody-7108.html) | TW7-20B9 | Neutralization1 | 1. Oida, T., et al. 2011. PLoS ONE 6:e18365. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=2011.%20PLoS%20ONE%206%3Ae18365.) |
| [Mouse Ly-6C](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-mouse-ly-6c-antibody-6359.html) | HK1.4 | Activation1 | 1. Havran, W.L., et al.. 1988. J. Immunol. 140:1034. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=J.%20Immunol.%20140%3A1034) |
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| [Mouse Ly-6G/Ly-6C (Gr-1)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=459) | RB6-8C5 | Depletion1,2 | 1. Stoppacciaro, A., et al., 1993. J. Exp. Med. 178:151. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/7686211)2. Czuprynski, C.J., et al., 1994. J. Immunol. 152:1836. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/8120393) |
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| [Mouse NK-1.1](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=430) | PK136 | Depletion1,2 | 1. Senan, C.L., et al., 1989. J. Immunol. 142:1847. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/2933683)2. Koo, G.C., et al., 1986. J. Immunol. 137:3742. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/3782794) |
| [Mouse NK-1.1](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=430) | PK136 | Stimulation1 | 1. Karlhofer, F.M., et al., 1991. J. Immunol. 146:3662. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/2026886) |
| [Mouse NK-1.1](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=430) | PK136 | Blocking1 | 1. Kung, S.K., et al., 1999. J. Immunol. 162:5876. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/10229823) |
| [Mouse Notch 1](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-mouse-notch-1-antibody-5269.html) | HMN1-12 | Functional Assay1 | 1. Moriyama Y et al. 2008. Int J Immunology 20:763. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/18381350) |
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| [Mouse RAE-1γ](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-mouse-rae-1gamma-antibody-5236.html) | CX1 | Functional Assay1 | 1. Lodoen, M., et al. 2003. J. Exp. Med. 197:1245. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=J.%20Exp.%20Med.%20197%3A1245.) |
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| [Mouse γδ TCR](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=519) | UC7-13D5 | Stimulation1 | 1. Bluestone, J.A., et al., 1991. Immunol. Rev. 120:5. 3.12.1 – 3.12.14. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/1650760) |
| [Mouse γδ TCR](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=519) | UC7-13D5 | Depletion1,2 | 1. Hiromatsu, K., et al., 1992. J. Exp. Med. 175:49. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/1530961)2. van der Heyde, H.C., et al., 1995. J. Immunol. 154:3985. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/7706737) |
| [Mouse TCR γ/δ](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-mouse-tcr-gamma-delta-antibody-4869.html) | GL3 | Depletion1,2 | 1. Skelsey, M.E., et al. 2001. J. Immunol. 166:4327. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=J.%20Immunol.%20166%3A4327.) |
| [Mouse TER-119/Erythroid Cells](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-mouse-ter-119-erythroid-cells-antibody-1866.html) | TER-119 | complement-mediated cytotoxicity3 | 1. Maraskovsky, E., et al. 1996. J. Exp. Med. 184:1953 [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=J.%20Exp.%20Med.%20184%3A1953) |
| [Mouse Tim-4](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-mouse-tim-4-antibody-5241.html) | RMT4-54 | Functional Assay1 | 1. Kuchroo, V.K., et al. 2008. Nat. Rev. Immunol. 8:577. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=Nat.%20Rev.%20Immunol.%208%3A577) |
| [Mouse/Rat TNF-α](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-mouse-rat-tnf-alpha-antibody-1365.html)  | TN3-19.12 | Neutralization1 | 1. Sheehan, K., et al. 1989. J. Immunol. 142:3884. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=%20J.%20Immunol.%20142%3A3884.) |
| [Mouse TNF-α](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-mouse-tnf-alpha-antibody-977.html) | MP6-XT22 | Neutralization1 | 1. Patole, P.S.,et al. 2005. J. Am Soc Nephrol.16:3273. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/16176997) |
| [Mouse VEGF-A](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-mouse-vegf-a-antibody-4607.html) | 2G11-2A05 | Neutralization1 | 1. Wuest, TR., et al. 2009. J. Exp Med. 207;101. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/20026662?dopt=Abstract) |
| [Mouse VEGFR-3 (FLT-4)](http://www.biolegend.com/leaf-purified-anti-mouse-vegfr-3-flt-4-antibody-7025.html) | AFL4 | Blocking1,2 | 1. Kubo, H., et al. 2000. Blood 96:546. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/10887117)2. Shimizu, K., et al. 2004. Cancer Sci. 95:328. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=Cancer%20Sci.%2095%3A328.) |
| [Rat CD3](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-rat-cd3-antibody-6808.html) | 1F4 | Blocking1 | 1. Nicholls, M.R., et al.. 1993. Transplantation 55:459. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/8456460) |
| [Rat CD8a](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-rat-cd8a-antibody-4942.html) | OX-8 | Functional Assay1 | 1. Johnson, P., et al.. 1985. EMBO J 4:2539. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=EMBO%20J%204%3A2539.) |
| [Rat CD28](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=1784) | JJ319 | Costimulation1,2 | 1. Tacke, M., et al., 1995. J. Immunol. 154:5121. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/7730618)2. Tacke, M., et al., 1997. Eur. J. Immunol. 27:239. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/9022025) |
| [Rat CD49d](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=2344) | MRα4-1 | Activation1 | 1. Yasuda, M., et al., 1995. Int. Immunol. 7:251. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/7734420) |
| [Rat CD49d](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=2344) | MRα4-1 | Inhibition1,2 | 1. Yasuda, M., et al., 1995. Int. Immunol. 7:251. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/7734420) 2. Martinez-Lemus L., et al., 2005 Am J Physiol Heart Circ Physiol 289: H322-H329. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/15722407) |
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| [Rat IFN-γ](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-rat-ifn-gamma-antibody-1546.html) | DB-1 | Neutralization1 | 1. Van der Meide, P., et al. 1989. Lymphokine Res. 8:439. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=Lymphokine%20Res.%208%3A439.) |
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| [Human CD3](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=752) | HIT3a | Activation1,2 | 1. Sedelies, K. A., et al., 2004. J. Biol. Chem. 279:26581. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/15069086) 2. Rivollier, A., et al., 2004. Blood 104:4029. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/15308576) |
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| [Human CD11b](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=696) | ICRF44 | Blocking1,2 | 1. Rezzonico, R., et al., 2001. Blood 97:2932. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/11342414) 2. Marsik, C., et al., 2003. Shock 20:493. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/14625471) |
| [Human CD11b (activated)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=2911) | CBRM1/5 | Blocking1,2 | 1. Diamond, M., et al., 1993. J. Cell Biol. 120:545. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/7678422) 2. Oxvig, C. et al., 1999. PNAS 96:2215. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/10051621) |
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| [Human CD14](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=795) | M5E2 | Blocking1 | 1. Power, C. P., et al., 2004. J. Immunol. 173:5229. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/15470068) |
| [Human CD16](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=568) | 3G8 | Blocking1,2 | 1. Tamm, A., et al., 1996. J. Immunol. 157:1576. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/8759741)2. Holl, V., et al., 2004. J. Immunol. 173:6274. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/15528366) |
| [Human CD16](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=568) | 3G8 | Stimulation1,2 | 1. Hoshino, S., et al., 1991. Blood 78:3232. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/1835892) 2. Dall’Ozzo, S. et al., 2004. Cancer Res. 64:4664. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/15231679) |
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| [Human CD18](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=2337) | TS1/18 | Inhibition1,2 | 1. Van Epps, D. E., et al., 1989. J. Immunol. 143:3207. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/2681413)2. Meerschaert, J., et al., 1994. J. Immunol. 152:1915. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/7509831) |
| [Human CD28](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=629) | CD28.2 | Costimulation1,2 | 1. Marti, F., et al., 2001. J. Immunol.166:197. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/11123293) 2. Jeong, S-H., et al., 2004. J Virol. 78:6995. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/15194776) |
| [Human CD29](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=2336) | TS2/16 | Activation1,2 | 1. Sanchez-Aparicio, P., et al., 1994. J. Cell Biol. 126:271. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/7517944) 2. Porter, J.C. and Hogg, N., 1997. J. Cell Biol. 138:1437. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/9298996) |
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| [Human CD40](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=2360) | HB14 | Costimulation1  | 1. Pound, J.D., et al., 1999. Int. Immunol. 11:11. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/10050669) 2. Schlossman, S., et al., Eds. 1995. Leucocyte Typing V. Oxford University Press. New York. |
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| [Human CD46](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=3917) | MEM-258 | Blocking1,2 | 1. Sirena, D. et al., 2004. J. Virol. 78:4454. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/15078926)2. Fleischli, C. et al., 2007. J. Gen. Virol. 88:2925. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/17947513)  |
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| [Human CD56 (NCAM)](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-human-cd56-ncam-antibody-4304.html) | HCD56 | Functional Assay1 | 1. Kishimoto, T., et al. Eds. 1997. Leucocyte Typing VI. Garland Publishing, Inc. London. |
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| [Human CD62P (P-Selectin)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=594) | AK4 | Blocking1,2 | 1. Skinner, M., et al., 1991. J. Biol. Chem. 266:5371. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/1706335) 2. McCarty, O.J., et al., 2000. Blood 96:1789. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/10961878) |
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| [Human CD85d (ILT4)](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-human-cd85d-ilt4-antibody-5575.html) | 42D1 | Functional Assay1 | 1. Colonna, M., et al. 1998. J. Immunol. 160:3096. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=J.%20Immunol.%20160%3A3096.) |
| [Human CD85g (ILT7)](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-human-cd85g-ilt7-antibody-4036.html) | 17G10.2 | Functional Assay1 | 1. Cao, W., et al. 2006. J. Exp. Med. 203(6):1399. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=J.%20Exp.%20Med.%20203(6)%3A1399.) |
| [Human CD85j (ILT2)](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-human-cd85j-ilt2-antibody-4839.html) | GHI/75 | Functional Assay1 | 1. Pulford, K., et al. 1991. Clin. Exp. Immunol. 85:429. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=Clin.%20Exp.%20Immunol.%2085%3A429) |
| [Human CD86](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=777) | IT2.2 | Blocking1,2 | 1. Dieu, M. 1998. J. Exp. Med. 188:373. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/9670049) 2. Jeannin, P. et al., 1999. J. Immunol. 162:2044. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/9973476) |
| [Human CD95 (Fas)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=656) | EOS9.1 | Apoptosis1,2 | 1. Desbarats, J., et al., 2003. Nat. Cell Biol. 5:118. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/12545171) 2. Inoue, M., et al., 2005. FEBS Lett. 579:604. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/15670815) |
| [Human CD95 (Fas)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=642) | DX2 | Apoptosis1,2 | 1. Cifone, M., et al., 1994. J. Exp. Med. 180:1547. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/7523573) 2. Bompard, G. et al., 2002. J. Biol. Chem. 49:47861. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/12354757) |
| [Human CD96 (TACTILE)](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-human-cd96-tactile-antibody-5540.html) | NK92.39 | Functional Assay1 | 1. Fuchs, A., et al. 2004. J. Immunol. 172:3994. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=J.%20Immunol.%20172%3A3994) |
| [Human CD117 (c-kit)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=3716) | A3C6E2 | Blocking1  | 1. Personal communication. |
| [Human CDw119 (IFN-γ R α chain)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=1564) | GIR-208 | Blocking1 | 1. Sheehan, K., et al., 1988. J. Immunol. 140:4231. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/2453573) 2. Kishimoto, T., et al., Eds. 1997. Leucocyte Typing VI. Garland Publishing, Inc. London. |
| [Human CD122(IL-2Rβ)](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-human-cd122-il-2rbeta-antibody-5623.html) | TU27 | Functional Assay1 | 1. Takeshita, T., et al. 1989. J. Exp. Med. 169:1323. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=J.%20Exp.%20Med.%20169%3A1323.) |
| [Human CD129 (IL-9 Receptor)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=1653) | AH9R7 | Blocking1,2 | 1. De Smedt, M., et al., 2000. J. Immunol. 164:1761. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/10657622) 2. Pilette, C., et al., 2002. J. Immunol. 168:4103. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/11937570) |
| [Human CD132 (common γ chain)](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-human-cd132-common-gamma-chain-antibody-5559.html) | TUGh4 | Functional Assay1 | 1. Itano, M., et al. 1996. J. Exp. Med. 178:389. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/9448034) |
| [Human CD137 (4-1BB)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=3911) | 4B4-1 | Blocking1,2 | 1. Salih, H. R., et al., 2000. J. Immunol. 165:2903. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/10946324) 2. Kienzle, G., et al., 2000. Int. Immunol. 12:73. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/10607752) |
| [Human CD144 (VE-Cadherin)](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-human-cd144-ve-cadherin-antibody-6614.html) | BV9 | Blocking1,2 | 1. Corada, M., et al., 2001. Blood 97:1679. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/11238107)2. Kooistra, M., et al. 2005. FEBS 579:4966. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/16115630) |
| [Human CD147](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=2978) | HIM6 | Blocking1,2 | 1. Stonehouse, T.J., et al., 1999. Immunology. 96:35. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/10233676) 2. Woodhead, V.E., et al., 2000. Int. Immunol. 12:1051. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/10882417) |
| [Human CD150 (SLAM)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=589) | A12 (7D4) | Costimulation1,2 | 1. Garcia, V., et al., 2001. J. Immunol. 167:5719. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/11698444) 2. Aversa, G., et al., 1997. J. Immunol. 158:4036. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/9126961) |
| [Human CD151 (PETA-3)](http://www.biolegend.com/leaf-purified-anti-human-cd151-peta-3-antibody-6961.html) | 50-6 | Blocking1 | 1. Testa, J.E., et al. 1999. Cancer Res. 59:3812. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=Cancer%20Res.%2059%3A3812.) |
| [Human CD152 (CTLA-4)](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-human-cd152-ctla-4%3Cctla4%3E-antibody-6835.html) | L3D10 | Blocking1,2 | 1. May, K., et al. 2005. Blood 105:1114. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/15486062)2. Lute, K., et al. 2005. Blood 106:3127. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=Blood%20106%3A3127.) |
| [Human CD154](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=1669) | 24-31 | Blocking1,2 | 1. Brams, P., et al., 2001. Int. Immunopharmacol. 1:277. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/11360929) 2. Rushworth, S.A., et al., 2002. Transplantation 73: 635. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/11889446) |
| [Human CD158d (KIR2DL4)](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-human-cd158d-kir2dl4-antibody-6381.html) | MAb33 (33) | Activation1 | 1. Rajagopalan, S., et al. 2001. J. Immunol. 167:1877. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=J.%20Immunol.%20167%3A1877.) |
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| [Human CD178 (Fas-L)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=805) | NOK-1 | Blocks Fas induced apoptosis1 | 1. Kayagaki, N., et al., 1995. J. Exp. Med. 182:1777. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/7500022) |
| [Human CD180 (RP105)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=2296) | MHR73-11 | Stimulation1 | 1. Miura, Y., et al., 1998. Blood 92:2815. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/9763566) |
| [Human CD184 (CXCR4)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=541) | 12G5 | Blocking1,2 | 1. Berndt, C., et al., 1998. Proc. Natl. Acad. Sci. USA 95:12556. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/9770524) 2. Ullrich, C. K., et al., 2000. Blood 96:1438. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/10942389) |
| [Human CD206 (MMR)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=2997) | 15-2 | Blocking1,2 | 1. Noorman, F., et al., 1997. J. Leukoc. Biol. 61:63. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/9000538) 2. Barrett-Bergshoeff, M., et al., 1997. Thromb Haemost. 77:718. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/9134649) |
| [Human CD210 (IL-10 R)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=1522) | 3F9 | Blocking1,2 | 1. Liu, Y., et al., 1997. J. Immunol. 158:604. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/8992974) 2. Levings, M.K., et al., 2005. Blood 105:1162. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/15479730) |
| [Human CD218a (IL-18R alpha)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=2615)  | H44 | Blocking1 | 1. Vermot-Desroches, C., et al., 2005. Cell Immunol. 236:101. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/16157318) |
| [Human CD221 (IGF-1R)](http://www.biolegend.com/leaf-purified-anti-human-cd221-igf-1r-antibody-7227.html) | 1H7/CD221 | Blocking1,2,3 | 1. Ye, J.J., et al. 2003. Horm. Metab. Res. 35:836. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/14710366)2. Kusada, Y., et al. 2008. J. Biochem. 143:9. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/17956902)3. Ohtani, M., et al. 2009. Biosci. Trends. 3:131. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/20103837) |
| [Human CD229 (Ly-9)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=3987) | HLy-9.1.25 | Activation1,2,3 | 1. de la Fuente, M. A., et al., 2001. Blood 97:3513. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/11369645) 2. Martin, M., et al., 2005. J. Immunol. 174: 5977. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/15879090)3. Romero, X., et al., 2005. J. Immunol. 174:7033. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/15905546) |
| [Human CD252 (OX40L)](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-human-cd252-ox40l-antibody-4041.html) | 11C3.1 | Functional Assay1 | 1. Ito, T., et al. 2005. J. Exp.Med. 202:1213. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=J.%20Exp.Med.%20202%3A1213.) |
| [Human CD268 (BAFF-R, BAFFR)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=3493) | 11C1 | Blocking1,2 | 1. Ng, L. G., et al., 2004. J. Immunol. 173:807. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/15240667)2. Personal communication. |
| [Human CD272 (BTLA)](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-human-cd272-btla-antibody-6445.html) | MIH26 | Blocking1 | 1. Okano, M., et al.., 2008. Clin. Exp. Allergy 38:1891. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=Clin.%20Exp.%20Allergy%2038%3A1891.) |
| [Human CD273 (B7-DC, PD-L2)](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-human-cd273-b7-dc-pd-l2-antibody-4705.html) | 24F.10C12 | Blocking1 | 1. Brown, JA., et al. 2003. J. Immunol. 170:1257. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=J.%20Immunol.%20170%3A1257) |
| [Human CD273 (B7-DC, PD-L2)](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-human-cd273-b7-dc-pd-l2-antibody-6263.html) | MIH18 | Blocking1 | 1. Youngnak-Piboonratankit, P., et al. 2004. Immunol. Lett. 94:215. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=Immunol.%20Lett.%2094%3A215.) |
| [Human 274 (B7-H1, PD-L1)](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-human-cd274-b7-h1-pd-l1-antibody-4505.html) | 29E.2A3 | Blocking1,2 | 1. Brown, JA., et al. 2003. J. Immunol. 170:1257. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=J.%20Immunol.%20170%3A1257)2. Radziewicz, H., et al. 2007. J. Virol. 81:2545. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=J.%20Virol.%2081%3A2545.) |
| [Human/Mouse/Rat CD278 (ICOS)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=2478) | C398.4A | Costimulation1,2 | 1. Redoglia, V., et al., 1996. Eur. J. Immunol. 26:2781. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/8921969) 2. Arimura, Y., et al., 2004. J. Biol. Chem. 279:11408. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/14707136) |
| [Human CD279 (PD-1)](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-human-cd279-pd-1-antibody-4503.html) | EH12.2H7 | Blocking1 | 1. Velu V., et al. 2007. J. Virol. 81:5819. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=J.%20Virol.%2081%3A5819.) |
| [Human CD286 (TLR6)](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-human-cd286-tlr6-antibody-5072.html) | TLR6.127 | Blocking1 | 1. Nakao, Y., et al. 2005. J. Immunol. 174:1566. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=J.%20Immunol.%20174%3A1566) |
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| [Human CD314 (NKG2D)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=3018) | 1D11 | Activation1,2 | 1. Wu, J., et al., 2000. J. Exp. Med. 192:1059. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/11015446) 2. Groh, V., et al., 2001. Nat. Immunol. 2:255. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/11224526) |
| [Human CD335 (NKp46)](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-human-cd335-nkp46-antibody-4575.html) | 9E2 | Functional Assay1 | 1. Jarahain, M., et al. 2009. J. Virol. 83:8108. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/19515783) |
| [Human CD335 (CRTAM)](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-human-cd355-crtam-antibody-5627.html) | Cr24.1 | Functional Assay1 | 1. Kent, S., et al.. 2005. Blood. 106:779. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/16213473) |
| [Human CD336 (NKp44)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=3847) | P44-8 | Blocking1,2 | 1. Stark, S., et al., 2005. J. Immunol. Methods 296:149. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/15680159) 2. Nolte-’t Hoen, E., et al., 2006. Blood 109:670. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/16960147) |
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| [Human FcεRIα](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-human-fcepsilonrialpha-antibody-5057.html)  | AER-37 (CRA-1) | Activation1 | 1. Yamaguchi, M., et al. 1999. J. Immunol. 162:5455. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=J.%20Immunol.%20162%3A5455.) |
| [Human Fn14/TWEAK Receptor](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=2673) | ITEM-1 | Apoptosis1,2 | 1. Nakayama, M., et al., 2003. J. Immunol. 170:341. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/12496418) 2. Felli, N., et al., 2005. J. Immunol. 175:1464. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/16034083) |
| [Human Fn14/TWEAK Receptor](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=2673) | ITEM-1 | Blocking1 | 1. Jin, L., et al., 2004. J. Invest. Dermatol. 122:1175. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/15140220) |
| [Human G-CSF](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-human-g-csf-antibody-913.html) | BVD13-3A5 | Neutralization1 | 1. Abrams, J. 1995. Curr. Prot. Immunol.. John Wiley and Sons, New York. Unit 6.20. |
| [Human GM-CSF](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-human-gm-csf-antibody-918.html) | BVD2-23B6 | Neutralization1 | 1. Bacchetta, R., et al. 1990. J. Immunol. 144:902. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=J.%20Immunol.%20144%3A902.) |
| [Human Galectin-9](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-human-galectin-9-antibody-6665.html) | 9M1-3 | Blocking1 | 1. Klibi, J., et al. 2009. Blood 113:1957. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/19005181) |
| [Human HLA-A,B,C](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=2843) | W6/32 | Activation1,2 | 1. Turco, M.C. et al., 1988. J. Immunol. 141:2275. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/3262654) 2. Geppert, T.D. et al., 1989. J. Immunol. 142:3763. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/2469725) |
| [Human HLA-A,B,C](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=2843) | W6/32 | Blocking1,2 | 1. De Felice, M. et al., 1990. Cell. Immunol. 126:420. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/2311126) 2. Nagano, M., et al., 2007. Blood 110:151. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/17379743) |
| [Human HLA-DR](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=789) | L243 | Blocking1,2 | 1. Kalka-Moll, W. M., et al., 2002. J. Immunol. 169:1649. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/12444118) 2. Wang, R-F., et al., 1999. Science 284:1351. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/10334988) |
| [Human HLA-G](http://www.biolegend.com/leaf-purified-anti-human-hla-g-antibody-6911.html) | 87G | Functional Assay1 | 1. Odum, N., et al. 1991. Eur. J. Immunol. 21:2121. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=Eur.%20J.%20Immunol.%2021%3A2121.) |
| [Human IL-1β](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-human-il-1beta-antibody-4404.html) | H1b-27 | Blocking1 | 1. Dinarello, C. 1996. Blood 87:2095. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/8630372) |
| [Human IL-2](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-human-il-2-antibody-1350.html) | MQ1-17H12 | Neutralization1 | 1. Andersson, J., et al. 1994. Immunology 83:16. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/7907005) |
| [Human IL-4](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-human-il-4-antibody-1017.html) | 8D4-8 | Neutralization1 | 1. Gong, G., et al. 2008. Blood [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/18981295) |
| [Human IL-4](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-human-il-4-antibody-968.html) | MP4-25D2 | Neutralization1 | 1. Ramanathan, L., et al. 1993. Biochem. 32:3549. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=Biochem.%2032%3A3549.) |
| [Human IL-5](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-human-il-5-antibody-933.html) | JES1-39D10 | Neutralization1 | 1. Abrams, J., et al. 1992. Immunol. Rev. 127:5. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/1387110) |
| [Human IL-5](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-human-il-5-antibody-937.html) | JES1-5A10 | Neutralization1 | 1. Abrams, J., et al. 1992. Immunol. Rev. 127:5. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/1387110) |
| [Human IL-6](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-human-il-6-antibody-981.html) | MQ2-13A5 | Neutralization1 | 1. Abrams, J., et al. 1992. Immunol. Rev. 127:5. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/1387110) |
| [Human IL-7](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-human-il-7-antibody-910.html) | BVD10-40F6 | Neutralization1 | 1. Abrams, J., et al. 1992. Immunol. Rev. 127:5. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/1387110) |
| [Human IL-9](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-human-il-9-antibody-4541.html) | MH9D1 | Neutralization1 | 1. Jenmalm, M., et al. 2001. Clin. Exptl. Aller. 31:1528. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/11678852) |
| [Human IL-9](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-human-il-9-antibody-1620.html) | MH9A3 | Neutralization1 | 1. Jenmalm, M., et al. 2001. Clin. Exptl. Aller. 31:1528. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/11678852) |
| [Human IL-10](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-human-il-10-antibody-1340.html) | JES3-9D7 | Neutralization1 | 1. Gotlieb, W., et al. 1992. Cytokine 4:385. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/1421000) |
| [Human IL-10](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-human-il-10-antibody-1573.html) | JES3-19F1 | Neutralization1 | 1. Abrams, J., et al. 1992. Immunol. Rev. 127:5. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/1387110) |
| [Human IL-12/ IL-23 p40](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-human-il-12-il-23-p40-monomer-dimer-heterodimer-antibody-1022.html) | C11.5 | Neutralization1 | 1. D'Andrea, A., et al. 1992. J. Exp. Med. 176:1387. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=J.%20Exp.%20Med.%20176%3A1387.) |
| [Human IL-12/IL-23 p40](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-human-il-12-il-23-p40-monomer-dimer-heterodimer-antibody-1007.html) | C8.6 | Neutralization1 | 1. D'Andrea, A., et al. 1992. J. Exp. Med. 176:1387. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=J.%20Exp.%20Med.%20176%3A1387.) |
| [Human IL-13](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-human-il-13-antibody-939.html) | JES10-5A2 | Neutralization1 | 1. McKenzie, A., et al. 1994. Curr. Prot. Immunol.. John Wiley & Sons. New York. Section 6.18. |
| [Human IFN-β](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-human-ifn-beta-antibody-5134.html) | IFNb/A1 | Neutralization1 | 1. Redlich, P.N. and Grossberg, S.E., et al. 1989. J. Immunol. 143:1887. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=J.%20Immunol.%20143%3A1887.) |
| [Human IFN-γ](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-human-ifn-gamma-antibody-1353.html) | NIB42 | Neutralization1 | 1. Meager, A. 1987. Lymphokines and Interferons:A Practical Approach. IRL Press Ltd, Oxford, p. 105. |
| [Human IFN-γ](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-human-ifn-gamma-antibody-1535.html) | B27 | Neutralization1 | 1. Kaur, A., et al. 2002. J Virol. 76:3646. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=Kaur%2C%20A.%2C%20et%20al.%202002.%20J%20Virol.%2076%3A3646.) |
| [Human IFN-γ](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-human-ifn-gamma-antibody-1594.html) | MD-1 | Neutralization1 | 1. Van der Meide, P., et al. 1985. J. Immuno. Meth. 79:293. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/7021152) |
| [Human/Mouse Integrin β7](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=4060) | FIB504 | Blocking1,2 | 1. Andrew, D. P., et al., 1994. J. Immunol. 153:3847. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/7523506) 2. Rott, L. S., et al., 1996. J. Immunol. 156:3727. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/8621908) |
| [Human KIR2DL2/L3 (NKAT2)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=2282) | DX27 | Restores NK cell cytotoxicity1,2 | 1. Bakker, A.B.H., et al., 1998. J. Immunol. 160:5239. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/9605119) 2. Valiante, N. M., et al., 1997. Immunity 7:739. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/9430220) |
| [Human KIR3DL1 (NKB1)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=2283) | DX9 | Restores NK cell cytotoxicity1,2 | 1. Bakker, A.B.H., et al., 1998. J. Immunol. 160:5239. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/9605119) 2. Valiante, N. M., et al., 1997. Immunity 7:739. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/9430220) |
| [Human Lymphotoxin b Receptor (LT-bR)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=3283) | 31G4D8 | Induction of apoptosis1,2 | 1. Chen, M-C., et al., 2003. J. Biol. Chem. 278:16073. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/12566458) 2. Personal communication. |
| [Human MCP-1](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-human-mcp-1-antibody-1327.html) | 5D3-F7 | Neutralization1 | 1. Rezaie-Majd, A., et al. 2002. Arterioscler Thromb Vasc Biol. 22:1194. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=Arterioscler%20Thromb%20Vasc%20Biol.%2022%3A1194.) |
| [Human MICA/MICB](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=3066) | 6D4 | Blocking1,2 | 1. Groh, V., et al., 1999. Proc. Natl. Acad. Sci. USA. 96: 6879. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/10359807) 2. Groh, V., et al., 2001. Nat. Immunol. 2:255. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/11224526) |
| [Human NKp80](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-human-nkp80-antibody-6330.html)  | 5D12 | Blocking1 | 1. Welte, S., et al. 2006. Nat. Immunol. 7:1334. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=Nat.%20Immunol.%207%3A1334.) |
| [Human NTB-A (NTBA)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=3628) | NT-7 | Block1,2 | 1. Ward, J., et al., 2007. Blood 110:1207. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/17513617) 2. Personal communication. |
| [Human TCR γ/δ](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-human-tcr-gamma-delta-antibody-4547.html) | B1 | Functional Assay1 | 1. Rodriguez-Gago, M., et al. 2001. Transplantation. 72:503. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/11502983) |
| [Human Tim-3](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-human-tim-3-antibody-6120.html) | F38-2E2 | Costimulation1 | 1. Hastings, WD., et al. 2009. Eur. J. Immunol. 39:2492. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed?term=Eur.%20J.%20Immunol.%2039%3A2492.) |
| [Human TL1A](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=3288) | 6E6 | Neutralization1 | 1. Yang, CR., et al., 2004. Cancer Res. 64:1122. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/14871847) |
| [Human TNF-α](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-human-tnf-alpha-antibody-1009.html) | MAb1 | Neutralization1 | 1. Rathjen, D., et al. 1991. Mol. Immunol. 28:79. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/1707138) |
| [Human TNF-α](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-human-tnf-alpha-antibody-3679.html) | MAb11 | Neutralization1 | 1. Rathjen, D., et al. 1991. Mol. Immunol. 28:79. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/1707138) |
| [Human TNF-β](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-human-tnf-beta-antibody-1318.html) | 359-238-8 | Neutralization1 | 1. Meager, A., et al. 1987. J. Immunol. Meth. 104:31. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/3119725) |
| [Human TNF-β](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-human-tnf-beta-antibody-2219.html) | 359-81-11 | Neutralization1 | 1. Meager, A., et al. 1987. J. Immunol. Meth. 104:31. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/3119725) |
| [Human Toll-like Receptor 2 (TLR2)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=1506) | TL2.1 | Blocking1,2 | 1. Flo, T., et al., 2000. J. Immunol. 164:2064. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/10657659) 2. Sugawara, S., et al., 2001. Infect. Immun. 69:4951. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/11447173) |
| [Human Toll-like Receptor 4 (TLR4)](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=2288) | HTA125 | Blocking1,2 | 1. Wang, R., et al., 2003. Hybrid Hybridomics 22:357. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/14683595) 2. Wang, J.E., et al., Infect. Immun. 69:2402. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/11254600) |
| [Human TRAIL](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=2565) | RIK-2 | Blocking1,2  | 1. Kayagaki, N., et al., 1999. J. Immunol. 162:2639. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/10072506) 2. Uno, K., et al., 2003. Blood 101: 3658. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/12506034) |
| [Human TREM-1](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=2772) | TREM-26 | Activation1  | 1. In-house testing.  |
| [Human TSLP](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-human-tslp-antibody-4407.html) | 13H8.3 | Neutralization1 | 1. Jiang Q., et al. 2007, BMC Immunol. 8:11. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/17640367) |
| [Human TSLP](http://www.biolegend.com/leaf-%3Clow-endotoxin-azide-free%3Epurified-anti-human-tslp-antibody-4409.html) | 15B11.3 | Neutralization1 | 1. Jiang Q., et al. 2007, BMC Immunol. 8:11. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/17640367) |
| [Human TWEAK](http://www.biolegend.com/index.php?page=pro_detail&cat=-1&detail=1331) | CARL-1 | Neutralization1,2 | 1. Nakayama, M., et al., 2000. J. Exp. Med. 192:1373. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/11067885)2. Nakayama, M., et al., 2003. J. Immunol. 170:341. [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/12496418) |
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