

Expression of Common Surface Molecules on Blood Cells

Cell	Antigen	Molecules per Cell	Reference
T cell	TCR	100,000	Cho, B. et al. 2000. <i>PNAS</i> . 98:1723.
	CD2	55,000	Ginaldi, L. et al. 1996. <i>J Clin Pathol</i> . 49:539.
	CD3	124,000	Ginaldi, L. et al. 1996. <i>Br J Haematol</i> . 93:921.
	CD5	90,000	Ginaldi, L. et al. 1996. <i>J Clin Pathol</i> . 49:539.
	CD7	20,000	Ginaldi, L. et al. 1996. <i>Br J Haematol</i> . 93:921.
	CD45	>200,000	Glatting, G. et al. 2006. <i>J Nucl Med</i> . 47:1335.
CD4+ T cell	CD4	100,000	Davis, K. et al. 1998. <i>Cytometry</i> . 33:197.
	CD28	20,000	Bryl, E. et al. 2005. <i>Arthritis Rheum</i> . 52:2996.
	CCR5	4,000-24,000	Reynes, J. et al. 2006. <i>J Infect Dis</i> . 181:927.
CD8+ T cell	CD8	90,000	Takada, S. et al. 1987. <i>J Immunol</i> . 139:3231.
	CD28	15,000	Bryl, E. et al. 2005. <i>Arthritis Rheum</i> . 52:2996.
B cell	CD19	18,000	Ginaldi, L. et al. 1998. <i>Pathobiology</i> . 66:17.
	CD20	109,000	Ginaldi, L. et al. 1998. <i>Pathobiology</i> . 66:17.
	CD21	210,000	Ginaldi, L. et al. 1998. <i>Pathobiology</i> . 66:17.
	CD22	14,000	Ginaldi, L. et al. 1998. <i>Pathobiology</i> . 66:17.
	HLA-DR	85,000	Ginaldi, L. et al. 1998. <i>Pathobiology</i> . 66:17.
	CD11a	10,000	Unternaehrer, J. et al. 2007. <i>PNAS</i> . 104:234.
	CD40	2,000	Unternaehrer, J. et al. 2007. <i>PNAS</i> . 104:234.
	CD86	16,000	Unternaehrer, J. et al. 2007. <i>PNAS</i> . 104:234.
	CD80	2,000	Unternaehrer, J. et al. 2007. <i>PNAS</i> . 104:234.
Dendritic cell	CD11a	27,000	Unternaehrer, J. et al. 2007. <i>PNAS</i> . 104:234.
	CD40	17,000	Unternaehrer, J. et al. 2007. <i>PNAS</i> . 104:234.
	CD80	132,000	Unternaehrer, J. et al. 2007. <i>PNAS</i> . 104:234.
	CD86	208,000	Unternaehrer, J. et al. 2007. <i>PNAS</i> . 104:234.
Monocyte	CD14	110,000	Antal-Szalmás, P. et al. 1997. <i>J. Leukoc. Biol</i> . 61:721.
	CD32	21,000	Antal-Szalmás, P. et al. 1997. <i>J. Leukoc. Biol</i> . 61:721.
	CD64	13,000	Antal-Szalmás, P. et al. 1997. <i>J. Leukoc. Biol</i> . 61:721.
Neutrophil	CD14	3,500	Antal-Szalmás, P. et al. 1997. <i>J. Leukoc. Biol</i> . 61:721.
	CD16	225,000	Antal-Szalmás, P. et al. 1997. <i>J. Leukoc. Biol</i> . 61:721.
NK cell	CD56	10,000	Ginaldi, L. et al. 1996. <i>J Clin Pathol</i> . 49:539.
Red Blood Cell	Glycophorin A	340,000	Antal-Szalmás, P. et al. 1997. <i>J. Leukoc. Biol</i> . 61:721.
Basophil	CD23	15,000	MacGlashan, D. et al. 2000. <i>J Leuk Biol</i> . 68:479.

Disclaimer: While these numbers are published data, actual numbers can vary significantly depending on factors such as: antibody clone used, patients, method of molecule number calculation, flow cytometer and fluorochromes used. BioLegend recommends that these numbers only be used as relative indications of high, intermediate, or low expression of proteins on certain cell types. We also recommend viewing our product data sheets to view actual fluorescence data for fluorochrome-conjugated antibodies.