

Biotin anti-human CD226 (DNAM-1) Antibody

Catalog# / Size	338326 / 100 µg
Clone	11A8
Regulatory Status	RUO
Other Names	DNAM-1, PTA1, TLISA1
Isotype	Mouse IgG1, κ
Description	DNAM-1 (CD226) is a ~65 kD glycoprotein expressed on cell surface of T cells, NK cells, monocytes/macrophages, platelets and megakaryocytes and a subset of B cells and a member of the immunoglobulin (Ig)-superfamily containing 2 Ig-like domains of the V-set. The ligands for CD226 are the poliovirus receptor (CD155) and its family member nectin-2 (CD112), which are broadly expressed on epithelial, endothelial and neuronal cells. CD226 is physically associated with LFA-1 in NK cells and activated T cells, and involved in LFA-1-mediated signaling.

Product Details

Reactivity	Human, African Green, Baboon, Cynomolgus, Rhesus
Antibody Type	Monoclonal
Host Species	Mouse
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Preparation	The antibody was purified by affinity chromatography and conjugated with biotin under optimal conditions.
Concentration	0.5 mg/ml
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C. Do not freeze.
Application	FC - Quality tested
Recommended Usage	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis . For flow cytometric staining, the suggested use of this reagent is ≤ 0.25 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.
Application Notes	Additional reported applications include: block NK cell-mediated lysis.
Application References	1. Fuchs A, <i>et al.</i> 2004. <i>J. Immunol.</i> 172:3994.
(PubMed link indicates BioLegend citation)	
RRID	AB_2721495 (BioLegend Cat. No. 338326)

Antigen Details

Structure	Ig domain containing adhesion molecule
Distribution	Peripheral blood T cells, NK cells, monocytes/macrophages, platelets and megakaryocytes and a subset of B cells
Function	Receptor involved in intercellular adhesion, lymphocyte signaling, cytotoxicity and lymphokine secretion mediated by cytotoxic T-lymphocyte (CTL) and NK cell
Interaction	Interacts with LFA-1.

Ligand/Receptor	PVR (CD155) and Nectin-2 (CD112)
Cell Type	B cells, Macrophages, Megakaryocytes, Monocytes, NK cells, Platelets, T cells
Biology Area	Immunology
Molecular Family	CD Molecules
Antigen References	1. Shibuya A <i>et al.</i> 1996. <i>Immunity</i> 4:573. 2. Tahara-Hanaoka S <i>et al.</i> 2004. <i>Int. Immunol.</i> 16:533. 3. Pende D <i>et al.</i> 2005. <i>Mol. Immunol.</i> 42:463.
Gene ID	10666

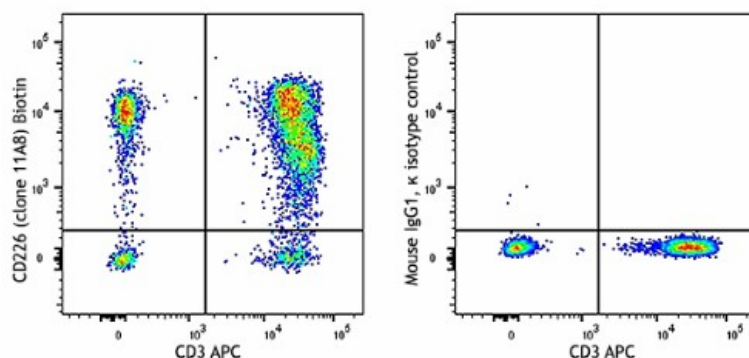
Related Protocols

[Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

Purified anti-human CD226 (DNAM-1), FITC anti-human CD226 (DNAM-1), PE anti-human CD226 (DNAM-1), APC anti-human CD226 (DNAM-1), PerCP/Cyanine5.5 anti-human CD226 (DNAM-1), PE/Cyanine7 anti-human CD226 (DNAM-1), APC/Fire™ 750 anti-human CD226 (DNAM-1), Brilliant Violet 785™ anti-human CD226 (DNAM-1), Brilliant Violet 605™ anti-human CD226 (DNAM-1), PE/Dazzle™ 594 anti-human CD226 (DNAM-1), Biotin anti-human CD226 (DNAM-1), Brilliant Violet 510™ anti-human CD226 (DNAM-1), Alexa Fluor® 647 anti-human CD226 (DNAM-1), Brilliant Violet 421™ anti-human CD226 (DNAM-1), Brilliant Violet 711™ anti-human CD226 (DNAM-1), TotalSeq™-A0368 anti-human CD226 (DNAM-1), TotalSeq™-C0368 anti-human CD226 (DNAM-1), TotalSeq™-B0368 anti-human CD226 (DNAM-1), TotalSeq™-D0368 anti-human CD226 (DNAM-1)

Product Data



Human peripheral blood lymphocytes were stained with CD3 APC and biotinylated CD226 (clone 11A8, left) or biotinylated mouse IgG1, κ isotype control (right), followed by Sav-PE.

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