

Monoclonal Antibody to CD226 / DNAM1 - PE

Alternate names:	DNAM-1, DNAX accessory molecule 1
Catalog No.:	SM2023RT
Quantity:	25 Tests
Background:	CD226 is a 65kD glycoprotein, also known as DNAM1 (DNAX accessory molecule-1). CD226 is broadly expressed on T-cells, NK cells, platelets, monocytes and a subset of B cells. CD226 is also expressed by a subset of CD3 positive thymocytes.
Uniprot ID:	Q15762
NCBI:	NP_006557.2
GeneID:	10666
Host / Isotype:	Mouse / IgG1
Clone:	DX11
Immunogen:	Human cytotoxic T lymphocyte clone. Spleen cells from immunised BALB/c mouse were fused with cells of the Sp2/0 myeloma cell line.
Format:	State: Lyophilized purified IgG fraction Purification: Affinity Chromatography on Protein G Buffer System: PBS, pH7.4 containing 0.09% Sodium Azide as preservative, 5% sucrose and 1.0% BSA as stabilizer. Label: PE – R. Phycoerythrin (RPE) Reconstitution: Restore with 0.25 ml distilled water
Applications:	Flow Cytometry: Use 10 µl of neat antibody to label 10e6 cells in 100 µl. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises CD226. Clone DX11 is reported to inhibit T- and NK cell mediated cytotoxicity against tumour cell targets and to block TNF alpha and IFN gamma secretion by alloantigen-specific T-cells. We recommend the use of SM2023A for functional studies. Species: Human. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light. Shelf life: one year from despatch.
General References:	1. Shibuya, A. et al. (1996) DNAM-1, a novel adhesion molecule involved in the cytolytic function of T lymphocytes. <i>Immunity</i> . 4: 573 - 581. 2. Shibuya, A. et al. (1998) Protein kinase C is involved in the regulation of both signaling

For research and in vitro use only. Not for diagnostic or therapeutic work.

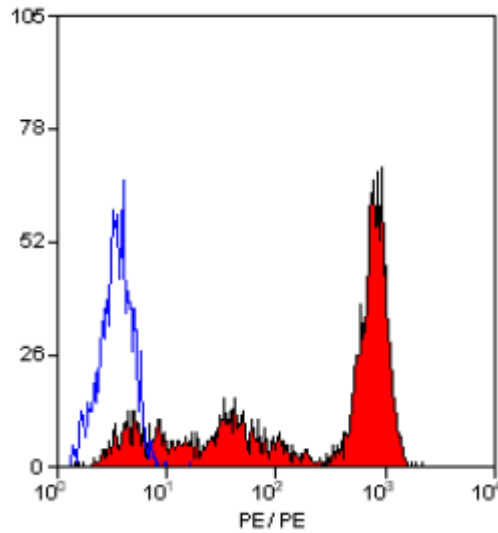
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and adhesion mediated by DNAX Accessory molecule-1 receptor. J. Immunol. 161. 1671 - 1676.

3. Kojima, H. et al. (2003) CD226 mediates platelet and megakaryocytic cell adhesion to vascular endothelial cells. J. Biol. Chem. 278 (38): 36748 - 36753.

Pictures:



Staining of human peripheral blood lymphocytes with MOUSE ANTI HUMAN CD226 -RPE

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