

Monoclonal Antibody to CD226 / DNAM1 - FITC

Alternate names:	DNAM-1, DNAX accessory molecule 1
Catalog No.:	SM2023F
Quantity:	0.1 mg
Concentration:	0.1 mg/ml
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: Liquid purified IgG Purification: Affinity chromatography on Protein G Buffer System: PBS, pH7.4 containing 0.09% Sodium Azide and 1.0% Bovine Serum Albumin Label: FITC – Fluorescein Isothiocyanate Isomer 1
Applications:	Flow Cytometry: 1/10 - 1/20; Use 10µl of the suggested working dilution to label 1 x 10 ⁶ cells in 100µl. 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 for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. 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.

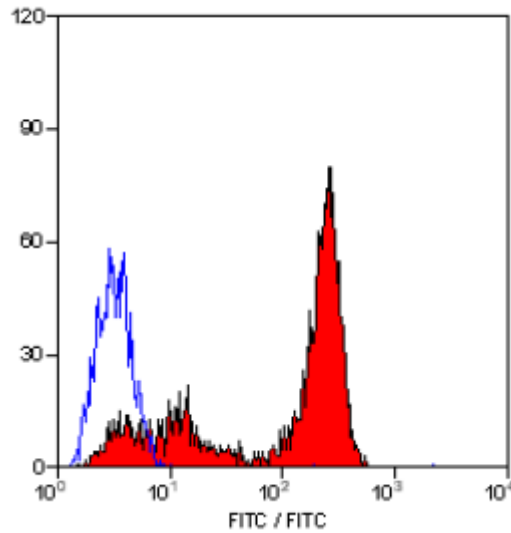
Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com

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:FITC (SM2023F).

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

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com