

Monoclonal Antibody to CD81 / TAPA1 - FITC

Alternate names:	26 kDa cell surface protein TAPA-1, Target of the antiproliferative antibody 1
Catalog No.:	SM1577FT
Quantity:	25 µg
Concentration:	0.1 mg/ml
Background:	CD81 is widely expressed on human leucocytes and appears to be involved in a variety of cellular processes, including adhesion, activation, proliferation and differentiation.
Uniprot ID:	P60033
NCBI:	NP_004347.1
GeneID:	975
Host / Isotype:	Mouse / IgG1
Clone:	1D6
Immunogen:	OCI-LY8 cells aggregated by 5A6 (another CD81 antibody). Spleen cells from immunised BALB/c mice were fused with cells of the mouse PX3-Ag.8.653 myeloma cell line.
Format:	State: Liquid Ig fraction fraction. Purification: Affinity Chromatography on Protein G. Buffer Solution: PBS, pH 7.4 Preservatives: 0.09% Sodium Azide Stabilizers: 1% BSA Label: FITC – Fluorescein Isothiocyanate Isomer 1
Applications:	Flow Cytometry: Use 10 µl of neat antibody to label 10 ⁶ 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 CD81, a 26 kD cell surface antigen also known as TAPA-1, and a member of the tetraspanin family. clone 1D6 is a potent CD81 reagent that induces homotypic adhesion and has powerful anti proliferative effects.
Species Reactivity:	Tested: Human, Chimpanzee, Sheep and Goat.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General References:	1. Schick, M.R. and Levy, S. (1993) The TAPA-1 molecule is associated on the surface of B cells with HLA-DR molecules. J. Immunol. 151: 4090-4097. 2. Levy, S. et al. (1998) CD81 (TAPA-1): A molecule involved in signal transduction and cell

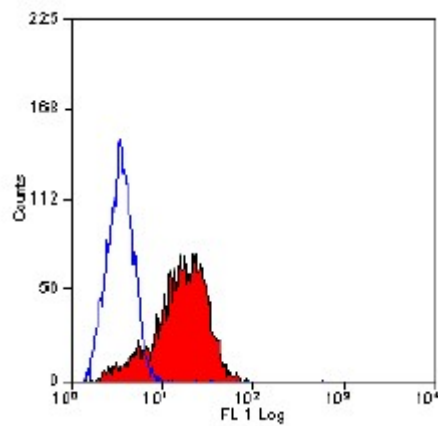
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Material Safety Datasheets are available at www.acris-antibodies.com or on request.

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adhesion in the immune system. *Ann. Rev. Immunol.* 16: 89-109.

Pictures:



Staining of human peripheral blood lymphocytes with Mouse anti human CD81-FITC.

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