

Monoclonal Antibody to CD81 / TAPA1 - PE

Alternate names:	26 kDa cell surface protein TAPA-1, Target of the antiproliferative antibody 1
Catalog No.:	SM1526RT
Quantity:	25 Tests
Background:	CD81 is a 26kD cell surface glycoprotein that is also known as TAPA-1. In rodents CD81 is expressed at much higher levels on resting B cells than on T cells, although increased expression on T cells is found following activation.
Uniprot ID:	P35762
NCBI:	10090
Host / Isotype:	Hamster / IgG1
Clone:	Eat2
Immunogen:	38C13, murine B cell line. Spleen cells from immunised Armenian hamsters were fused with cells of the mouse PX3-Ag.8.653 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 and 1% BSA as stabilizer. Label: PE – R. Phycoerythrin (RPE) Reconstitution: Restore with 1.0 ml distilled water.
Applications:	Flow Cytometry: Use 10 µl of neat antibody to label 10e6 cells in 100 µl. The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity Fc receptors. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises and CD81. Eat 2 induces homotypic aggregation of B cells and inhibits anti Ig and IL-4 induced proliferation. Eat 2 requires the presence of both extracellular loops of TAPA-1 for binding. Species: Mouse and Rat. 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.
Product Citation:	1. Antje Blumenthal, Jürgen Giebel, Ramesh Ummanni, Rabea Schlüter, Karlhans Endlich, and Nicole Endlich: Morphology and migration of podocytes are affected by CD151 levels; Am J Physiol Renal Physiol, May 2012; 302: F1265 - F1277.

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

- General References:**
1. Clark, K. et al. (2001) PGRL is a major CD81 - associated protein on lymphocytes and distinguishes a new family of cell surface proteins. *J. Immunol.* 167: 5115 - 5121.
 2. Maecker, H.T. et al. (2000) Differential expression of murine CD81 highlighted by new anti-mouse CD81 monoclonal antibodies. *Hybridoma* 19: 15-22.

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