

Monoclonal Antibody to CD81 / TAPA1 - FITC

Alternate names:	26 kDa cell surface protein TAPA-1, Target of the antiproliferative antibody 1
Catalog No.:	AM08071FC-N
Quantity:	0.5 mg
Concentration:	0.5 mg/ml
Background:	TAPA1, or CD81, is a member of the transmembrane 4 superfamily, also known as the Tetraspanin family. Most of these members are cell surface proteins that are characterised by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. TAPA1 is a cell surface glycoprotein that is known to complex with integrins. It appears to promote muscle cell fusion and support myotube maintenance. Also it may be involved in signal transduction. TAPA1 gene is localized in the tumor suppressor gene region and thus it is a candidate gene for malignancies.
Uniprot ID:	P35762
NCBI:	10090
Host / Isotype:	Hamster / IgG
Clone:	2F7
Immunogen:	Mouse epithelial cell line PAM212.
Format:	State: Liquid purified Ig fraction. Buffer System: PBS containing 0.09% Sodium Azide as preservative. Label: FITC – Fluorescein Isothiocyanate Isomer 1
Applications:	Flow Cytometry: Identification and enumeration of CD81+ cells (κ / = 1 μ g/10e6 cells). (Ref.2) Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises Mouse CD81 (Mr 25 kDa), a member of the transmembrane 4 integral membrane protein family. This antibody can block thymocyte interaction with CD81 <i>in vitro</i> . (Ref.2) Species: Mouse. Other species not tested.
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 Readings:	1. Andria, M.L., et al. 1991. J. Immunol. 147:1030. 2. Boismenu, R., M. Rhein, W.H. Fischer, and W.L. Harven. 1996. Science 271:198.

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
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