

Product datasheet for **SM1526P**

CD81 / TAPA1 Hamster Monoclonal Antibody [Clone ID: Eat2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	Eat2
Applications:	ELISA, FC, IHC, IP, WB
Recommended Dilution:	Flow Cytometry: Use 10 µl of 1/10-1/50 diluted antibody to label 10e6 cells in 100 µl. Immunoprecipitation. Immunohistochemistry on Frozen Sections. ELISA. Western Blot.
Reactivity:	Mouse
Host:	Hamster
Isotype:	IgG
Clonality:	Monoclonal
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.
Specificity:	This antibody recognises and CD81. 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. It 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.
Formulation:	PBS, pH7.4 containing 0.09% Sodium Azide as preservative. State: Purified State: Liquid purified IgG fraction.
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G.
Conjugation:	Unconjugated
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.
Stability:	Shelf life: one year from despatch.



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Gene Name: CD81 antigen

Database Link: [Entrez Gene 12520 Mouse P35762](#)

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.

Synonyms: S5.7; TAPA-1; TAPA1; Tetraspanin-28; Tspan-28; TSPAN28