

Product datasheet for **AM26031PU-N**

TAPA1 (CD81) Mouse Monoclonal Antibody [Clone ID: M38]

Product data:

Product Type:	Primary Antibodies
Clone Name:	M38
Applications:	FC, FN, IF, IHC, IP, WB
Recommended Dilution:	Flow cytometry: 1 µg/ml. Immunoprecipitation. Western blot. Immunohistochemistry on paraffin sections. Immunocytochemistry. Functional Application: In human MOLT-4 T-cell line the antibody M38 inhibits syncytium formation induced by coculture with human T-cell leukemia virus type 1 (HTLV-1)-positive human T-cell lines.
Reactivity:	Feline, Human, Rabbit
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	MOLT-4 (human T-ALL cell line)
Specificity:	This antibody reacts with CD81, a 25 kDa member of the tetraspanin family, expressed on majority of cells.
Formulation:	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4 State: Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Protein-A affinity chromatography (> 95% by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C. DO NOT FREEZE!
Stability:	Shelf life: one year from despatch.
Gene Name:	Homo sapiens CD81 molecule (CD81), transcript variant 1



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Database Link: [Entrez Gene 975 Human P60033](#)

Background: CD81 (TAPA-1), a member of the tetraspanin family, is expressed on virtually all nucleated cells, but above all on germinal center B cells. CD81 forms complexes with other tetraspanin proteins, integrins, coreceptors, MHC class I and II molecules, and influences adhesion, morphology, activation, proliferation and differentiation of B, T and other cells – e.g. in muscles CD81 promotes cell fusion and myotube maintenance. CD81 has been also identified as a receptor for the hepatitis C virus.

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

Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Transmembrane

Protein Pathways: B cell receptor signaling pathway