

Product datasheet for **AM26031RP-N**

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

Product data:

Product Type:	Primary Antibodies
Clone Name:	M38
Applications:	FC
Recommended Dilution:	Flow Cytometry analysis of Human blood cells using 20 µl reagent / 100 µl of whole blood or 10 ⁶ cells in a suspension. The content of a vial (2 ml) is sufficient for 100 tests.
Reactivity:	Feline, Human, Rabbit
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	MOLT-4 (human T-ALL cell line)
Specificity:	This antibody CD81, a 25 kDa member of the tetraspanin family, expressed on majority of cells.
Formulation:	Phosphate buffered saline (PBS) solution containing 15mM sodium azide Label: PE State: Liquid purified Ig fraction Label: Conjugated with R-Phycoerythrin under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use.
Conjugation:	PE
Storage:	Store undiluted at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD81 molecule
Database Link:	Entrez Gene 975 Human P60033



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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