ARG53906
anti-CD81 antibody [M38] (PE)

Package: 100 tests
Store at: 4°C

Summary

Product Description	PE-conjugated Mouse Monoclonal antibody [M38] recognizes CD81
Tested Reactivity	Hu, Cat, Rb
Tested Application	FACS
Specificity	The clone M38 reacts with CD81, a 25 kDa member of the tetraspanin family, expressed on majority of cells.
Host	Mouse
Clonality	Monoclonal
Clone	M38
Isotype	IgG1
Target Name	CD81
Species	Human
Immunogen	MOLT-4 (human T-ALL cell line)
Conjugation	PE
Alternate Names	CD antigen CD81; TAPA1; Tspan-28; S5.7; CD81 antigen; Target of the antiproliferative antibody 1; Tetraspanin-28; 26 kDa cell surface protein TAPA-1; CVID6; TSPAN28

Application Instructions

Application table

Application	Dilution
FACS	20 µl / 10^6 cells

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

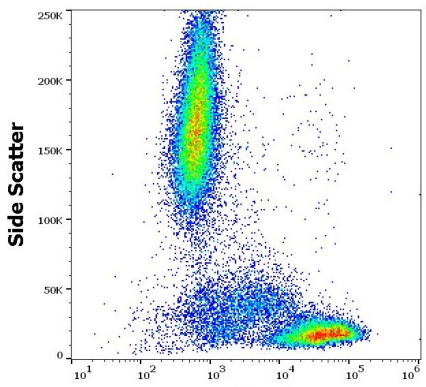
Form	Liquid
Purification Note	The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.
Buffer	PBS, 15 mM Sodium azide and 0.2% (w/v) high-grade protease free BSA
Preservative	15 mM Sodium azide
Stabilizer	0.2% (w/v) high-grade protease free BSA
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

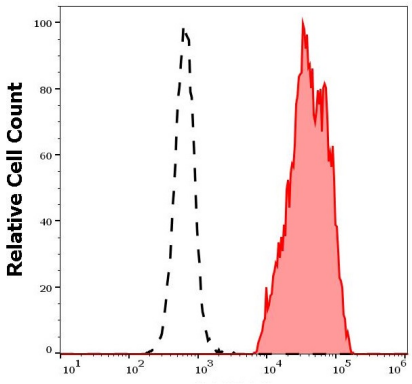
Database links	GeneID: 975 Human Swiss-port # P60033 Human
Gene Symbol	CD81
Gene Full Name	CD81 molecule
Background	CD81 (TAPA-1), a member of the tetraspanin family, is expressed on virtually all nucleated cells, but above all on germinal center B cells. CD81 forms complexes with other tetraspanin proteins, 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.
Function	May play an important role in the regulation of lymphoma cell growth. Interacts with a 16-kDa Leu-13 protein to form a complex possibly involved in signal transduction. May act as the viral receptor for HCV. [UniProt]
Highlight	Related products: CD81 antibodies; Anti-Mouse IgG secondary antibodies; Related news: Tools for studying Exosomes
Research Area	Immune System antibody; Microbiology and Infectious Disease antibody
Calculated Mw	26 kDa
PTM	Not glycosylated.

Images



ARG53906 anti-CD81 antibody [M38] (PE) FACS image

Flow Cytometry: Human peripheral whole blood stained with ARG53906 anti-CD81 antibody [M38] (PE) (20 µl reagent / 100 µl of peripheral whole blood).



ARG53906 anti-CD81 antibody [M38] (PE) FACS image

Flow Cytometry: Separation of human lymphocytes (red-filled) from neutrophil granulocytes (black-dashed). Human peripheral whole blood stained with ARG53906 anti-CD81 antibody [M38] (PE) (20 µl reagent / 100 µl of peripheral whole blood).