

## ARG41849 anti-CD81 antibody [M38] (low endotoxin)

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Azide free and low endotoxin Mouse Monoclonal antibody [M38] recognizes CD81
Tested Reactivity	Hu
Predict Reactivity	Cat, Rb
Tested Application	FACS, WB
Host	Mouse
Clonality	Monoclonal
Clone	M38
Isotype	IgG1
Target Name	CD81
Species	Human
Immunogen	MOLT-4 (Human T-ALL cell line)
Conjugation	Un-conjugated
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	1 µg/ml
	WB	1 - 2 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

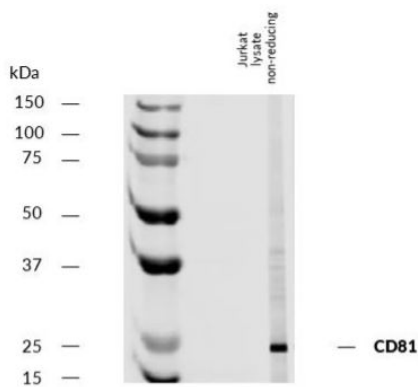
### Properties

Form	Liquid
Purification	Purification with Protein A.
Purification Note	0.2 µm filter sterilized. Endotoxin level is less than 0.01 EU/µg of the protein, as determined by the LAL test.
Buffer	PBS
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

## Bioinformation

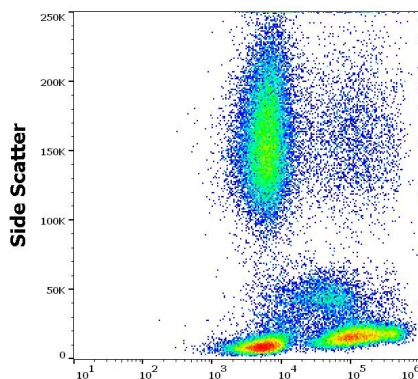
Gene Symbol	CD81
Gene Full Name	CD81 molecule
Background	The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface glycoprotein that is known to complex with integrins. This protein appears to promote muscle cell fusion and support myotube maintenance. Also it may be involved in signal transduction. This gene is localized in the tumor-suppressor gene region and thus it is a candidate gene for malignancies. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2014]
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]
Calculated Mw	26 kDa
PTM	Not glycosylated. [UniProt]
Cellular Localization	Basolateral cell membrane; Multi-pass membrane protein. Note=Associates with CLDN1 and the CLDN1-CD81 complex localizes to the basolateral cell membrane. [UniProt]

## Images



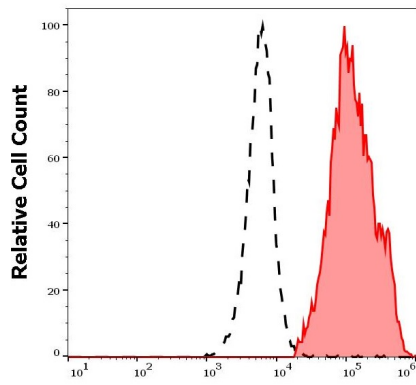
ARG41849 anti-CD81 antibody [M38] (low endotoxin) WB image

Western blot: Jurkat cell lysate stained with ARG41849 anti-CD81 antibody [M38] (low endotoxin) at 2  $\mu\text{g}/\text{ml}$  dilution, under non-reducing conditions.



ARG41849 anti-CD81 antibody [M38] (low endotoxin) FACS image

Flow Cytometry: Human peripheral blood stained with ARG41849 anti-CD81 antibody [M38] (low endotoxin) at 4  $\mu\text{g}/\text{ml}$  dilution, followed by APC-conjugated Goat anti-Mouse antibody.



#### ARG41849 anti-CD81 antibody [M38] (low endotoxin) FACS image

Flow Cytometry: Separation of human lymphocytes (red-filled) from neutrophil granulocytes (black-dashed). Human peripheral whole blood stained with ARG41849 anti-CD81 antibody [M38] (low endotoxin) at 4 µg/ml dilution, followed by APC-conjugated Goat anti-Mouse antibody.