

## ARG41314 anti-CD81 antibody [1.3.3.22] (azide free)

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Azide free Mouse Monoclonal antibody [1.3.3.22] recognizes CD81
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, FuncSt, ICC/IF, IHC-P, WB
Host	Mouse
Clonality	Monoclonal
Clone	1.3.3.22
Isotype	IgG1, kappa
Target Name	CD81
Species	Human
Immunogen	A B-cell line derived from a Burkitt lymphoma.
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	0.5 - 1 µg/10 <sup>6</sup> cells
	FuncSt	Assay-dependent
	ICC/IF	1 - 5 µg/ml
	IHC-P	1 - 5 µg/ml
	WB	0.5 - 1 µg/ml
Application Note	IHC-P: Antigen Retrieval: Boil tissue section in 10 mM Citrate buffer (pH 6.0) for 10-20 min followed by cooling at RT for 20 min. * 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 G.
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.

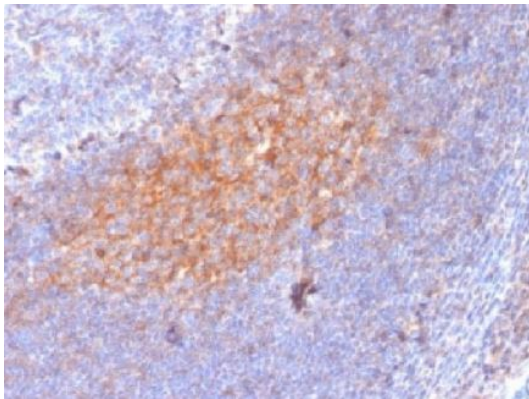
**Note** For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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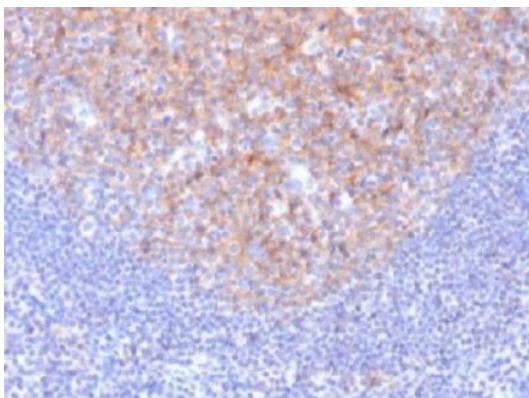
Gene Symbol	CD81
Gene Full Name	CD81 molecule
Background	The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins 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



ARG41314 anti-CD81 antibody [1.3.3.22] (azide free) IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human lymph node tissue stained with anti-CD81 antibody [1.3.3.22]. Antigen Retrieval: Boil tissue section in 10 mM Citrate buffer (pH 6.0) for 10-20 min followed by cooling at RT for 20 min.



ARG41314 anti-CD81 antibody [1.3.3.22] (azide free) IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human tonsil tissue stained with anti-CD81 antibody [1.3.3.22]. Antigen Retrieval: Boil tissue section in 10 mM Citrate buffer (pH 6.0) for 10-20 min followed by cooling at RT for 20 min.