

For Research Use Only

CD81 Monoclonal antibody, PBS Only



Catalog Number: 66866-1-PBS

Basic Information

Catalog Number: 66866-1-PBS	GenBank Accession Number: BC002978	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 975	CloneNo.: 1G2C6
Source: Mouse	ENSEMBL Gene ID: ENSG00000110651	
Isotype: IgG1	UNIPROT ID: P60033	
Immunogen Catalog Number: AG27298	Full Name: CD81 molecule	
	Calculated MW: 26 kDa	
	Observed MW: 22 kDa	

Applications

Tested Applications:
WB, IF, FC, IHC, Indirect ELISA

Species Specificity:
Human

Background Information

CD81 (also known as TAPA1 or TSPAN28) is a membrane protein of the tetraspanin superfamily, which are characterized by the presence of four conserved transmembrane regions. Many of these members are expressed on leukocytes and have been implicated in signal transduction, cell-cell interactions, and cellular activation and development. CD81 is involved in signal transduction and cell adhesion in the immune system (PMID: 9597125). CD81 has also been identified as an essential receptor for HCV (hepatitis C virus) (PMID: 21428934).

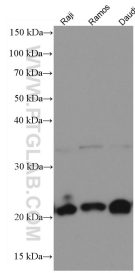
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS Only

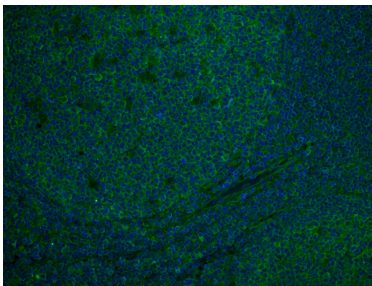
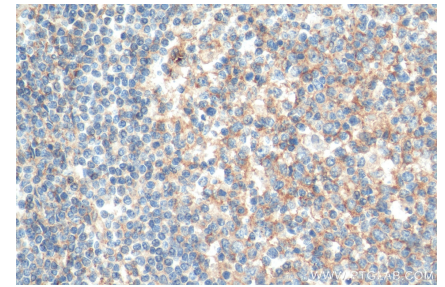
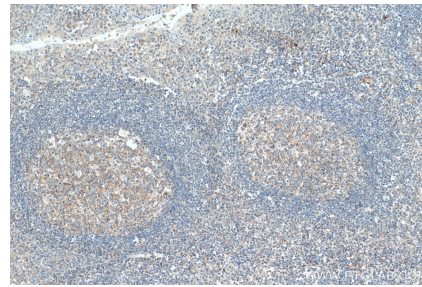
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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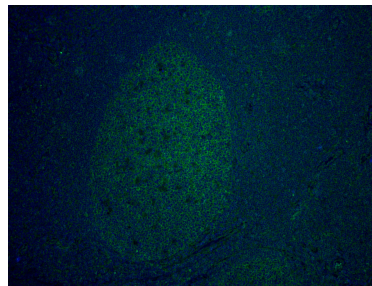
Selected Validation Data



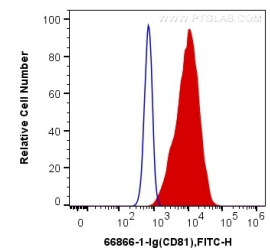
Various lysates were subjected to SDS PAGE followed by western blot with 66866-1-Ig (CD81 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66866-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CD81 antibody (66866-1-Ig, Clone: 1G2C6) at dilution of 1:1000 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66866-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CD81 antibody (66866-1-Ig, Clone: 1G2C6) at dilution of 1:1000 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66866-1-PBS in a different storage buffer formulation.



1×10^6 Jurkat cells were surface stained with 0.4 ug Anti-Human CD81 (66866-1-Ig, Clone: 1G2C6) and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were not fixed. This data was developed using the same antibody clone with 66866-1-PBS in a different storage buffer formulation.