

CD81 Monoclonal antibody

Catalog Number: 66866-1-Ig 122 Publications

Basic Information

Catalog Number: 66866-1-Ig	GenBank Accession Number: BC002978	Purification Method: Protein G purification
Size: 1000 µg/ml	GeneID (NCBI): 975	CloneNo.: 1G2C6
Source: Mouse	ENSEMBL Gene ID: ENSG00000110651	Recommended Dilutions: WB 1:1000-1:6000 IHC 1:500-1:2000 IF 1:600-1:2400
Isotype: IgG1	UNIPROT ID: P60033	
Immunogen Catalog Number: AG27298	Full Name: CD81 molecule	
	Calculated MW: 26 kDa	
	Observed MW: 22 kDa	

Applications

Tested Applications:
FC, IF-P, IHC, WB, ELISA

Cited Applications:
WB, IF, FC, IHC

Species Specificity:
Human

Cited Species:
human, pig

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: Raji cells, Jurkat cells, LPS treated THP-1 cells, Ramos cells, Daudi cells

IHC: human tonsillitis tissue,

IF: human tonsillitis tissue,

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).

Notable Publications

Author	Pubmed ID	Journal	Application
Folnetti A Alvarez	36114323	Breast Cancer Res Treat	WB
Haiyu Li	31595161	Int J Biol Sci	WB
Nazli Khodayari	32887613	Cell Commun Signal	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

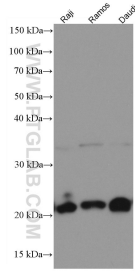
T: 4006900926

E: Proteintech-CN@ptglab.com

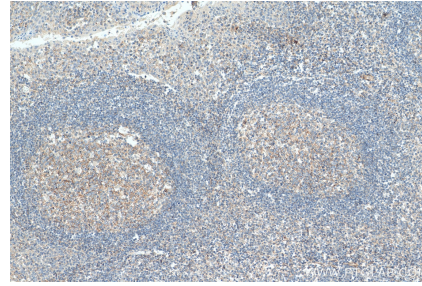
W: ptgcn.com

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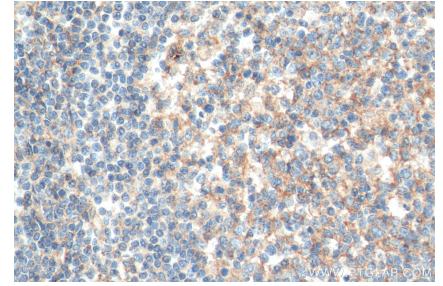
Selected Validation Data



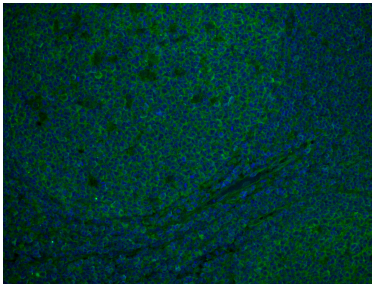
Various lysates were subjected to SDS PAGE followed by western blot with 66866-1-Ig (CD81 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



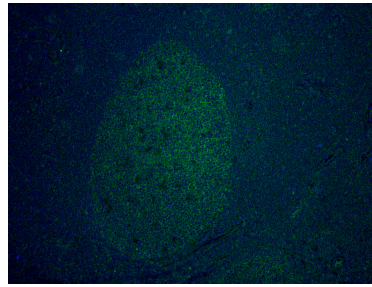
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66866-1-Ig (CD81 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



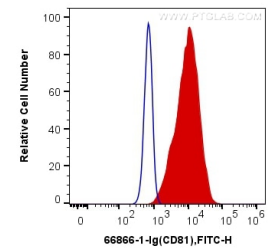
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66866-1-Ig (CD81 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).



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).



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.