

For Research Use Only

# CD81 Recombinant antibody

Catalog Number: 84644-2-RR



## Basic Information

<b>Catalog Number:</b> 84644-2-RR	<b>GenBank Accession Number:</b> NM_004356.4	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 975	<b>CloneNo.:</b> 241722G4
<b>Source:</b> Rabbit	<b>ENSEMBL Gene ID:</b> ENSG00000110651	<b>Recommended Dilutions:</b> IF/ICC 1:250-1:1000
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> P60033	
	<b>Full Name:</b> CD81 molecule	
	<b>Calculated MW:</b> 26 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, ELISA	<b>Positive Controls:</b> IF/ICC : Jurkat cells,
<b>Species Specificity:</b> human	

## Background Information

CD81 (also known as TAPA1or 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 -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

\*\*\* 20ul sizes contain 0.1% BSA

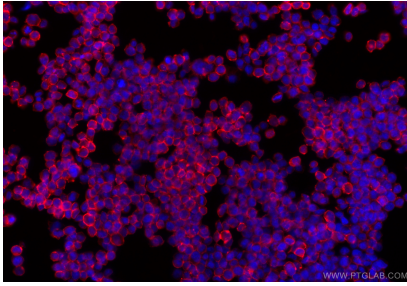
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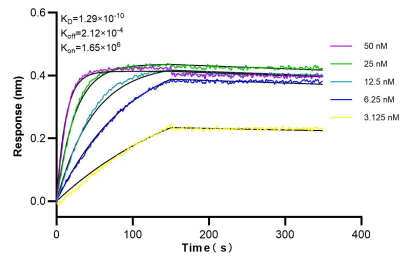
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using CD81 antibody (84644-2-RR, Clone: 241722G4) at dilution of 1:500 and CoraLite®594-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-4).



Bi-layer interferometry (BLI) kinetic assays of 84644-2-RR against Human CD81 were performed. The affinity constant is 0.129 nM.