

For Research Use Only

CD81 Recombinant antibody

Catalog Number: 84644-1-RR

Featured Product



Basic Information

Catalog Number:

84644-1-RR

Concentration:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_004356.4

GeneID (NCBI):

975

ENSEMBL Gene ID:

ENSG00000110651

UNIPROT ID:

P60033

Full Name:

CD81 molecule

Calculated MW:

26 kDa

Observed MW:

20-25 kDa

Purification Method:

Protein A purification

CloneNo.:

241722B8

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : Raji cells, HCT 116 cells, Ramos cells, Daudi cells, Jurkat cells, THP-1 cells, K-562 cells

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 -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:

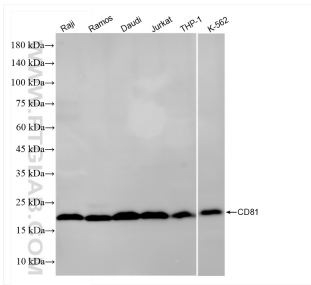
T: 4006900926

E: Proteintech-CN@ptglab.com

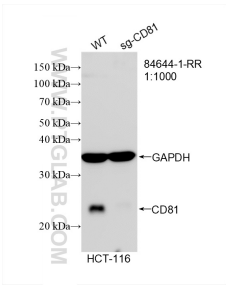
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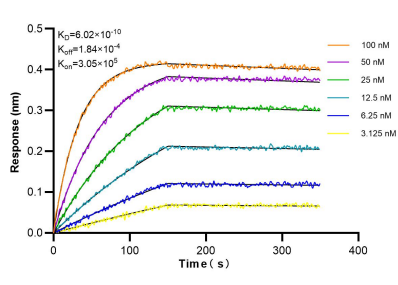
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84644-1-RR (CD81 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



WB result of CD81 antibody (84644-1-RR; 1:1000; room temperature for 1.5 hours) with wild-type and CD81 knockout HCT 116 cells.



Biolayer interferometry (BLI) kinetic assays of 84644-1-RR against Human CD81 were performed. The affinity constant is 0.602 nM.