

For Research Use Only

# CD84 Recombinant antibody

Catalog Number: 84245-2-RR



## Basic Information

Catalog Number:

84245-2-RR

Size:

1000  $\mu$ g/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC020063

GeneID (NCBI):

8832

UNIPROT ID:

Q9UIB8

Full Name:

CD84 molecule

Calculated MW:

345 aa, 39 kDa

Observed MW:

70 kDa

Purification Method:

Protein A purification

CloneNo.:

241342F3

Recommended Dilutions:

WB 1:1000-1:8000

IF/ICC 1:200-1:800

## Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human

Positive Controls:

WB : Raji cells, Daudi cells, Ramos cells, U-937 cells

IF/ICC : Raji cells,

## Background Information

CD84, also known as SLAMF5, is a member of the CD2 subfamily of the immunoglobulin receptor superfamily (PMID: 9310491). CD84 is a single-chain type-I glycoprotein composed of two extracellular Ig-like domains, a hydrophobic transmembrane region, and a cytoplasmic domain. It is broadly expressed on almost all leukocyte subsets. CD84 functions as a homophilic adhesion molecule, whose signaling can activate or inhibit leukocyte function depending on the cell type and its stage of activation or differentiation (PMID: 30522694).

## 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:

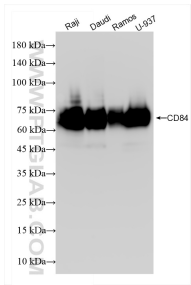
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

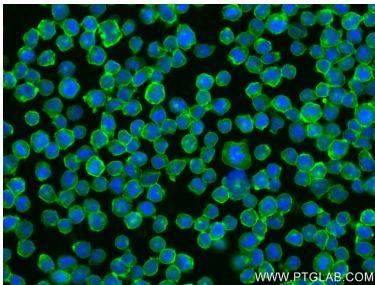
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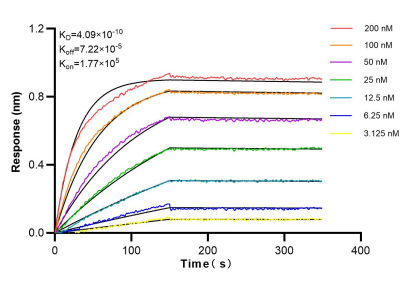
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84245-2-RR (CD84 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed Raji cells using CD84 antibody (84245-2-RR, Clone: 241342F3 ) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 84245-2-RR against Human CD84 were performed. The affinity constant is 0.409 nM.