

For Research Use Only

# CD2 Recombinant antibody

Catalog Number: 84108-3-RR



## Basic Information

### Catalog Number:

84108-3-RR

### Size:

100ul , Concentration: 1000 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### GenBank Accession Number:

BC033583

### GeneID (NCBI):

914

### ENSEMBL Gene ID:

ENSG00000116824

### UNIPROT ID:

P06729

### Full Name:

CD2 molecule

### Calculated MW:

351 aa, 39 kDa

### Purification Method:

Protein A purification

### CloneNo.:

241222E10

### Recommended Dilutions:

IF/ICC 1:200-1:800

## Applications

### Tested Applications:

IF/ICC, ELISA

### Species Specificity:

human

### Positive Controls:

IF/ICC : Jurkat cells,

## Background Information

CD2 is a cell surface glycoprotein present on a majority of thymocytes, all mature T cells and subset of NK cells but not on B lymphocytes. It is a pan T-cell marker. CD2 interacts with lymphocyte function-associated antigen (LFA-3/CD58) and CD48/BCM1 to mediate adhesion between T-cells and other cell types. CD2 is implicated in the triggering of T-cells, the cytoplasmic domain is implicated in the signaling function.

## 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

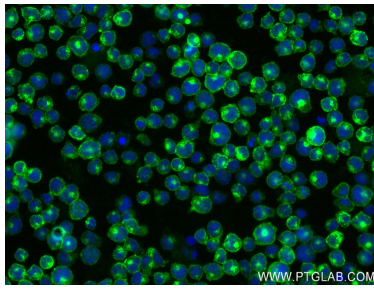
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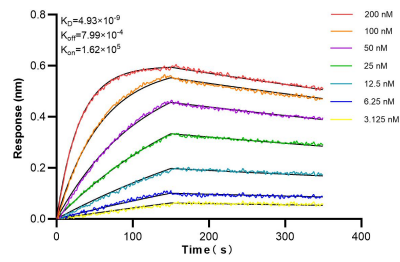
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using CD2 antibody (84108-3-RR, Clone: 241222E10) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 84108-3-RR against Human CD2 were performed. The affinity constant is 4.93 nM.