

For Research Use Only

# CD64 Recombinant antibody

Catalog Number: 84518-2-RR



## Basic Information

### Catalog Number:

84518-2-RR

### Size:

1000  $\mu$ g/ml

### Source:

Rabbit

### Isotype:

IgG

### GenBank Accession Number:

NM\_010186.5

### GeneID (NCBI):

14129

### UNIPROT ID:

P26151

### Full Name:

Fc receptor, IgG, high affinity I

### Calculated MW:

45 kDa

### Observed MW:

68-72 kDa

### Purification Method:

Protein A purification

### CloneNo.:

241809D6

### Recommended Dilutions:

WB 1:5000-1:50000

IF/ICC 1:250-1:1000

## Applications

### Tested Applications:

WB, IF/ICC, ELISA

### Species Specificity:

mouse

### Positive Controls:

WB : RAW 264.7 cells, J774A.1 cells

IF/ICC : RAW 264.7 cells,

## Background Information

Fc $\gamma$  receptor comprise a multigene family of integral membrane glycoproteins that exhibit complex activation or inhibitory effects on cell functions after aggregation by complexed immunoglobulin G (IgG) (PMID: 17005690). CD64, also known as Fc $\gamma$  RIA, is a high-affinity receptor for the Fc region of IgG. It is expressed by monocytes/macrophages, activated neutrophils, dendritic cells, and early myeloid cells (PMID: 23293080; 19642859; 7680917). CD64 functions in both innate and adaptive immune responses.

## 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:

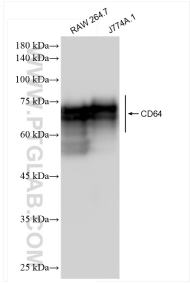
T: 4006900926

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

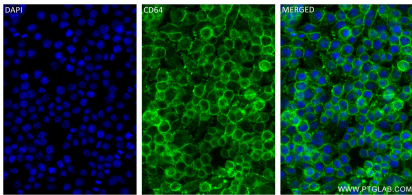
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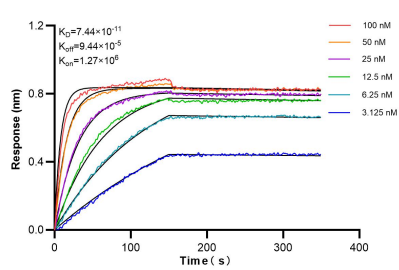
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84518-2-RR (CD64 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed RAW 264.7 cells using CD64/FCGR1 antibody (84518-2-RR, Clone: 241809D6) at dilution of 1:500 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 84518-2-RR against Mouse CD64 were performed. The affinity constant is 74.4 pM.