

For Research Use Only

# Mouse CD64 Recombinant antibody, PBS Only (Capture)

Catalog Number: 84518-2-PBS



## Basic Information

Catalog Number:

84518-2-PBS

Size:

1 mg/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

## Applications

Tested Applications:

WB, IF/ICC, Cytometric bead array, Indirect ELISA

Species Specificity:

mouse

## 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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

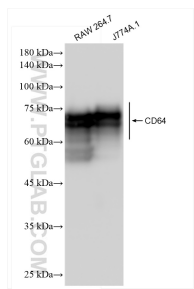
T: 4006900926

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

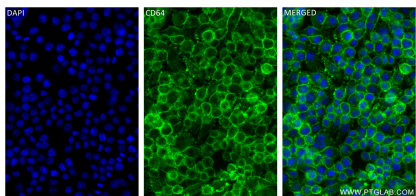
W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

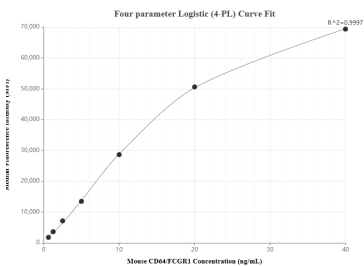
## Selected Validation Data



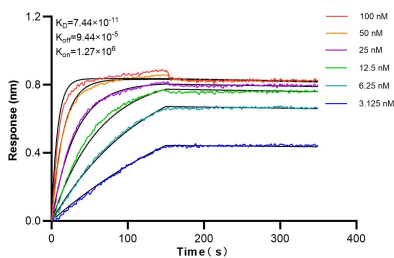
Various lysates were subjected to SDS PAGE followed by western blot with 84518-2-RR (CD64 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84518-2-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 84518-2-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP01366-1, MOUSE CD64 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84518-2-PBS. Detection antibody: 84518-1-PBS. Standard: Eg2107. Range: 0.625-40 ng/mL.



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