

For Research Use Only

# Mouse CD64 Recombinant antibody, PBS Only (Capture)

Catalog Number: 84518-3-PBS



## Basic Information

<b>Catalog Number:</b> 84518-3-PBS	<b>GenBank Accession Number:</b> NM_010186.5	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 14129	<b>CloneNo.:</b> 241809G4
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P26151	
<b>Isotype:</b> IgG	<b>Full Name:</b> Fc receptor, IgG, high affinity I	
	<b>Calculated MW:</b> 45 kDa	
	<b>Observed MW:</b> 68-72 kDa	

## 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:

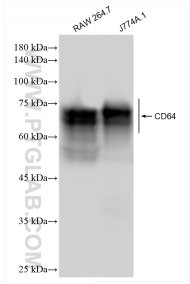
T: 4006900926

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

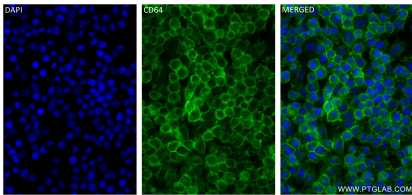
W: [ptgcn.com](http://ptgcn.com)

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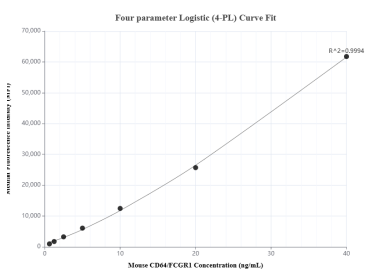
# Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84518-3-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 84518-3-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed RAW 264.7 cells using CD64/FCGR1 antibody (84518-3-RR, Clone: 241809G4 ) 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 84518-3-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP01366-2, MOUSE CD64 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84518-3-PBS. Detection antibody: 84518-1-PBS. Standard: Eg2107. Range: 0.625-40 ng/mL.