

For Research Use Only

# CD64 Recombinant antibody

Catalog Number: 84518-2-RR



## Basic Information

<b>Catalog Number:</b> 84518-2-RR	<b>GenBank Accession Number:</b> NM_010186.5	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 14129	<b>CloneNo.:</b> 241809D6
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P26151	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IF/ICC 1:250-1:1000
<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

<b>Tested Applications:</b> WB, IF/ICC, ELISA	<b>Positive Controls:</b> WB : RAW 264.7 cells, J774A.1 cells
<b>Species Specificity:</b> mouse	<b>IF/ICC :</b> RAW 264.7 cells,

## Background Information

Fcγ 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 Fcγ R1A, 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

\*\*\* 20ul sizes contain 0.1% BSA

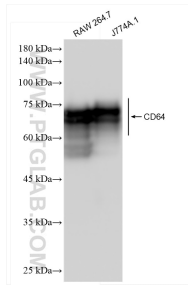
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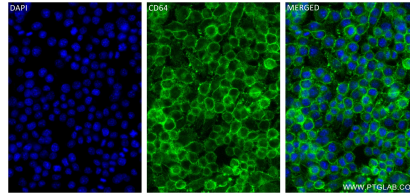
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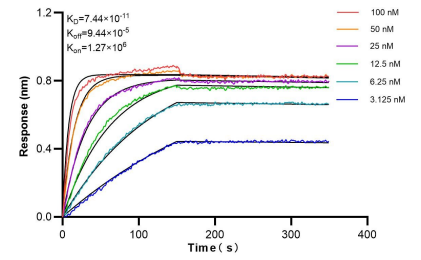
## Selected Validation Data



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).



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