

For Research Use Only

# Anti-Human CD64 (10.1)

Catalog Number: 65253-1-Ig



## Basic Information

<b>Catalog Number:</b> 65253-1-Ig	<b>GenBank Accession Number:</b> BC032634	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 100ug, 0.5 mg/mL	<b>GeneID (NCBI):</b> 2209	<b>CloneNo.:</b> 10.1
<b>Source:</b> Mouse	<b>ENSEMBL Gene ID:</b> ENSG00000150337	
<b>Isotype:</b> IgG1, kappa	<b>UNIPROT ID:</b> P12314	
	<b>Full Name:</b> Fc fragment of IgG, high affinity Ia, receptor (CD64)	
	<b>Calculated MW:</b> 374 aa, 43 kDa	

## Applications

**Tested Applications:**  
FC, ELISA

**Species Specificity:**  
Human

## 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 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 2-8°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.09% sodium azide.

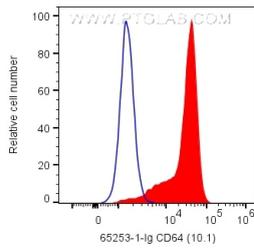
For technical support and original validation data for this product please contact:

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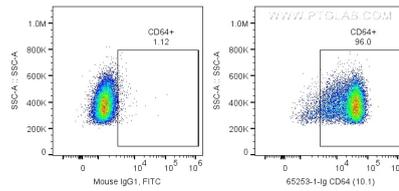
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## Selected Validation Data



1X10<sup>6</sup> human PBMCs were surface stained with 0.2 ug Anti-Human CD64 (65253-1-Ig, Clone:10.1) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or CoraLite®488-Conjugated Mouse IgG1 Isotype Control. Cells were not fixed. Monocytes were gated.



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