

For Research Use Only

# APC Anti-Human CD64 (10.1)

Catalog Number: APC-65253



## Basic Information

<b>Catalog Number:</b> APC-65253	<b>GenBank Accession Number:</b> BC032634	<b>Purification Method:</b> N/A
<b>Size:</b> 100tests, 5 ul/test	<b>GeneID (NCBI):</b> 2209	<b>CloneNo.:</b> 10.1
<b>Source:</b> Mouse	<b>ENSEMBL Gene ID:</b> ENSG00000150337	<b>Excitation/Emission maxima wavelengths:</b> 650 nm / 660 nm
<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

**Species Specificity:**  
human

## 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 2-8°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.09% sodium azide and 0.5% BSA.

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

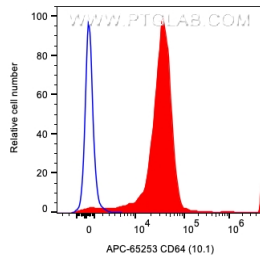
T: 4006900926

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

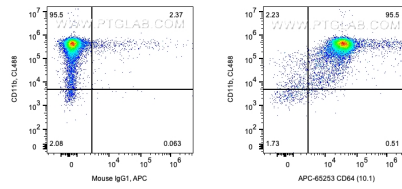
W: [ptgcn.com](http://ptgcn.com)

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

## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with 5 ul APC Anti-Human CD64 (APC-65253, Clone:10.1) or APC Mouse IgG1 Isotype Control (APC-65124, Clone: MOPC-21). Cells were not fixed. Cells were treated with FC Receptor Block prior to staining. Monocytes were gated.



1x10<sup>6</sup> human PBMCs were surface stained with CL488 Anti-Human CD11b (CL488-65166) and 5 ul APC Anti-Human CD64 (APC-65253, Clone:10.1) or APC Mouse IgG1 Isotype Control (APC-65124, Clone: MOPC-21). Cells were not fixed. Cells were treated with FC Receptor Block prior to staining. Monocytes were gated.