

For Research Use Only

# CoraLite® Plus 488 Anti-Human CD64 (10.1) Mouse IgG2a Recombinant Antibody



Catalog Number: **CL488-65572**

## Basic Information

<b>Catalog Number:</b> CL488-65572	<b>GenBank Accession Number:</b> BC032634	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100tests, 5 µl/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> 493 nm / 522 nm
<b>Isotype:</b> IgG2a	<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:

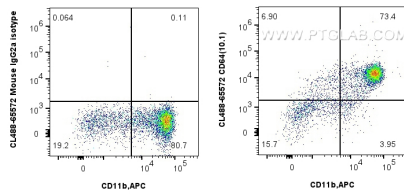
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E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

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 Coralite® Plus 488 CD64 Recombinant Antibody (CL488-65572, Clone:10.1) or Coralite® Plus 488 Mouse IgG2a Isotype Control (C1.18.4) (CL488-65208, Clone: C1.18.4). Cells were then stained with APC Anti-Human CD11b (ICRF44) (APC-65116, Clone: ICRF44). Cells were not fixed. Monocytes were gated.