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

Catalog Number: ~~CL488-65572~~

## Basic Information

Catalog Number: CL488-65572	GenBank Accession Number: BC032634	Purification Method: Protein A purification
Size: 100tests , 5 µl/test	GeneID (NCBI): 2209	CloneNo.: 10.1
Source: Mouse	ENSEMBL Gene ID: ENSG00000150337	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG2a	Full Name: Fc fragment of IgG, high affinity Ia, receptor (CD64) Calculated MW: 374 aa, 43 kDa	

## Applications

Tested Applications:  
FC  
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 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.

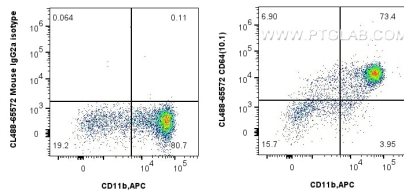
## Storage

Storage:  
Store at 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: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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## 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.