

For Research Use Only

# CoraLite® Plus 488 Anti-Human CD64 (10.1)



Catalog Number: **CL488-65253**

## Basic Information

<b>Catalog Number:</b> CL488-65253	<b>GenBank Accession Number:</b> BC032634	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 100tests , 5 µl/test	<b>GeneID (NCBI):</b> 2209	<b>CloneNo.:</b> 10.1
<b>Source:</b> Mouse	<b>Full Name:</b> Fc fragment of IgG, high affinity Ia, receptor (CD64)	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Isotype:</b> IgG1, kappa	<b>Calculated MW:</b> 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

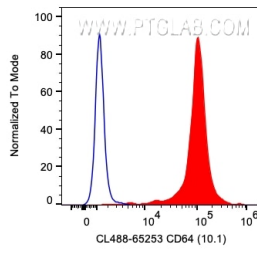
**Storage:**  
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

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

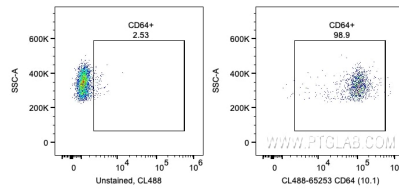
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## Selected Validation Data



1X10<sup>6</sup> human PBMCs were surface stained with 5 ul CoraLite® Plus 488 Anti-Human CD64 (CL488-65253, Clone:10.1) (red) or unstained. Cells were not fixed. Monocytes were gated.



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