

For Research Use Only

# CoraLite® Plus 647 Anti-Human CD163 (GHI/61) Mouse IgG2a Recombinant Antibody



Catalog Number: **CL647-65561**

## Basic Information

<b>Catalog Number:</b> CL647-65561	<b>GenBank Accession Number:</b> BC051281	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100tests , 5 µl/test	<b>GeneID (NCBI):</b> 9332	<b>CloneNo.:</b> GHI/61
<b>Source:</b> Mouse	<b>ENSEMBL Gene ID:</b> ENSG00000177575	<b>Excitation/Emission maxima wavelengths:</b> 654 nm / 674 nm
<b>Isotype:</b> IgG2a	<b>UNIPROT ID:</b> Q86VB7	
	<b>Full Name:</b> CD163 molecule	
	<b>Calculated MW:</b> 1156 aa, 125 kDa	

## Applications

**Tested Applications:**  
FC

**Species Specificity:**  
Human

## Background Information

CD163, also known as M130, is a membrane glycoprotein that belongs to the scavenger receptor superfamily (PMID: 8370408). It is an acute phase-regulated and signal-inducing macrophage protein expressed exclusively in monocytes and tissue macrophages (PMID: 11196644). CD163 mediates endocytosis of haptoglobin-haemoglobin complexes (PMID: 11196644). The uptake of haptoglobin by macrophages contributes to the recycling of iron and also to the inflammatory response (PMID: 22900885). Soluble CD163 (sCD163), as a result of ectodomain shedding during inflammatory activation of macrophages, circulates in blood and has been suggested as a plasma/serum marker for macrophage activity (PMID: 12570164).

## Storage

**Storage:**  
Store at 2-8°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.09% sodium azide and 0.5% BSA.

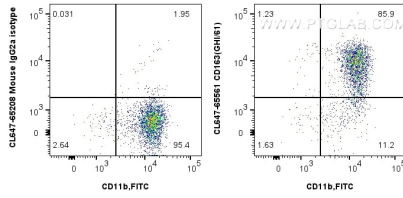
For technical support and original validation data for this product please contact:

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## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with FITC Anti-Human CD11b and 5 ul CoraLite® Plus 647 Anti-Human CD163 Mouse Recombinant Antibody (CL647-65561, Clone:GHI/61), or CoraLite® Plus 647 Mouse IgG2a Isotype Control (CL647-65208, Clone: C1.18.4). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed. Monocytes were gated.