

For Research Use Only

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



Catalog Number: **CL647-65561**

Basic Information

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

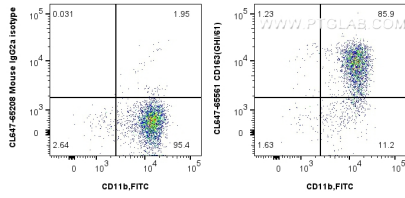
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ 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.