

For Research Use Only

APC Anti-Human CD163 (GHI/61)

Catalog Number: APC-65169



Basic Information

Catalog Number: APC-65169	GenBank Accession Number: BC051281	Purification Method: Affinity purification
Size: 100tests, 5 µl/test	GeneID (NCBI): 9332	CloneNo.: GHI/61
Source: Mouse	Full Name: CD163 molecule	Excitation/Emission maxima wavelengths: 650 nm / 660 nm
Isotype: IgG1, kappa	Calculated MW: 1156 aa, 125 kDa	

Applications

Tested Applications:
FC

Species Specificity:
Human

Background Information

CD163, also known as M130, is a membrane glycoprotein which 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

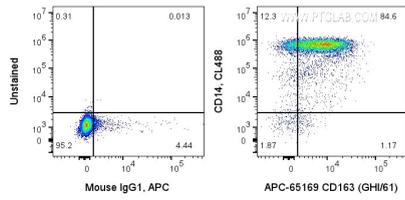
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

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
W: ptglab.com

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Selected Validation Data



1X10⁶ human PBMCs were surface stained with CL488 Anti-Human CD14 and 5 ul APC Anti-Human CD163 (APC-65169, Clone: GHI/61), or Mouse IgG1 Isotype Control. Cells were not fixed. Monocytes were gated.