For Research Use Only

Anti-Human CD163 (GHI/61)

Catalog Number:65169-1-Ig

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Basic Information

Catalog Number:
65169-1-Ig

Size:
100ug , 0.5 mg/ml

Source:
Mouse

Isotype:
IgG1, kappa

GenBank Accession Number:
BC051281

GeneID (NCBI):
9332

ENSEMBL Gene ID:
ENSG00000177575

UNIPROT ID:
Q86VB7

Full Name:
CD163 molecule

Calculated MW:
1156 aa, 125 kDa

Purification Method:
Protein G purification

CloneNo.:
GHI/61

Recommended Dilutions:
FC: 0.5 ug per 10^6 cells in 100 µl suspension

Applications

Tested Applications:
FC

Species Specificity:
Human

Positive Controls:

FC : human PBMCs,

Background Information

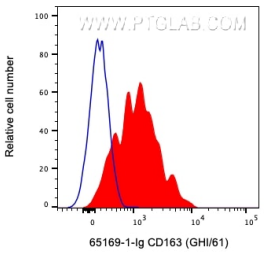
CD163, also known as M130, is a membrane glycoprotein which belongs to the scavenger receptor superfamily (PMID: 8370408). It is an acute phase-regulated and signal-inducing macrophage protein expressed exclusively in monocytes and tissue macrophages (PMID: 11196644). CD163 mediates endocytosis of haptoglobin-haemoglobin 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

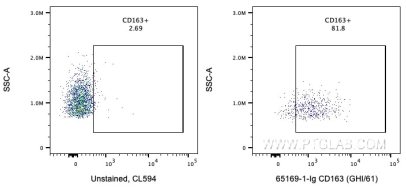
Storage:
Store at 2-8°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide, pH7.3

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

Selected Validation Data



1X10^6 human PBMCs were surface stained with 0.5 ug Anti-Human CD163 (65169-1-Ig, Clone:GHI/61) and CoraLite®594-Conjugated Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red) or unstained. Cells were not fixed. Granulocytes were gated.



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