For Research Use Only

CoraLite® Plus 647 Anti-Human CD163 (GHI/61)

Catalog Number:CL647-65169

Basic Information

Catalog Number:
CL647-65169

Size:
100tests, 5 μl/test

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

Excitation/Emission maxima wavelengths:
654 nm / 674 nm

Applications

Tested Applications:
FC

Species Specificity:
Human

Background Information

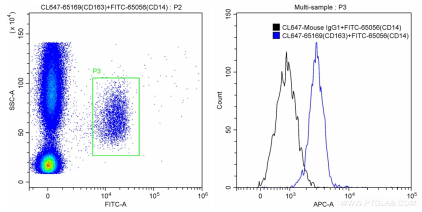
CD163, also known as M130, is a membrane glycoprotein which belongs to the scavenger receptor superfamily (PMID: 8370408). It is an acute phase-regulated and signal-inducing macrophage protein expressed exclusively in monocytes and tissue macrophages (PMID: 11196644). CD163 mediates endocytosis of haptoglobin-haemoglobin 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 0.1% sodium azide and 0.5% BSA, pH 7.3.

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

Selected Validation Data



100 ul human peripheral blood were surface stained with 10 ul FITC-Anti-Human CD14 (FITC-65056, Clone: UCHM-1), and 5 ul CoraLite® Plus 647-conjugated Anti-Human CD163 (CL647-65169, Clone: GHI/61) or CoraLite® Plus 647-conjugated Mouse IgG1 isotype control. Cells were then treated with red blood cell lysis buffer and were gated for CD14+ monocytes for analysis of CD163 staining. Cells were not fixed.