For Research Use Only

CoraLux Violet 510 Anti-Human CD163 (GHI/61) Mouse IgG2a Recombinant Antibody

Catalog Number:CLV510-65561

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
CLV510-65561

Size:
100tests , 5 ul/test

Source:
Mouse

Isotype:
IgG2a

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 A purification

CloneNo.:
GHI/61

Recommended Dilutions:
FC: 5 ul per 10^6 cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:
410 nm / 501 nm

Applications

Tested Applications:
FC

Species Specificity:
human

Positive Controls:

FC : human PBMCs,

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. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA, 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
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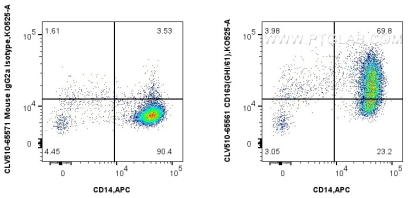
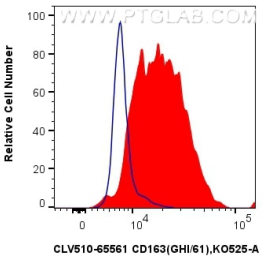
Selected Validation Data



1x10^6 human PBMCs were surface stained with APC Anti-Human CD14, and 5 ul CoraLux Violet 510 Anti-Human CD163 (GHI/61) Mouse IgG2a RecAb (CLV510-65561, Clone: GHI/61) or CoraLux Violet 510 Rabbit IgG Isotype Control Recombinant Antibody (CLV510-98136, Clone: 240953C9). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed. Monocytes were gated.



1x10^6 human PBMCs were surface stained with 5 ul CoraLux Violet 510 Anti-Human CD163 (GHI/61) Mouse IgG2a RecAb (CLV510-65561, Clone: GHI/61) (red) or CoraLux Violet 510 Rabbit IgG Isotype Control Recombinant Antibody (CLV510-98136, Clone: 240953C9) (blue). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed. Monocytes were gated.