

For Research Use Only

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

Catalog Number: CLV510-65561



Basic Information

Catalog Number:

CLV510-65561

Concentration:

100 tests, 5 µl/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 µl per 10⁶ 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:

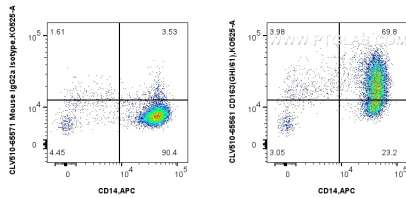
T: 4006900926

E: Proteintech-CN@ptglab.com

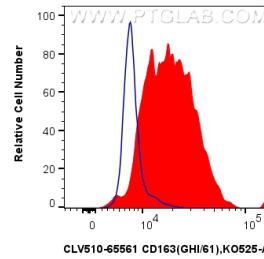
W: ptgcn.com

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Selected Validation Data



1x10⁶ 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.



1x10⁶ 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.