

For Research Use Only

PE Anti-Human CD163 (GHI/61)

Catalog Number: PE-65169

4 Publications



Basic Information

Catalog Number:

PE-65169

Size:

100 tests, 5 ul/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:

The purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography.

CloneNo.:

GHI/61

Excitation/Emission maxima wavelengths:

496 nm, 565 nm / 578 nm

Applications

Tested Applications:

FC

Cited Applications:

FC

Species Specificity:

Human

Cited Species:

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).

Notable Publications

Author	Pubmed ID	Journal	Application
Tao Yan	35410993	Cell Death Discov	FC
Ling Zhou	39677298	J Inflamm Res	FC
Fengran Guo	39366533	Cell Signal	FC

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:

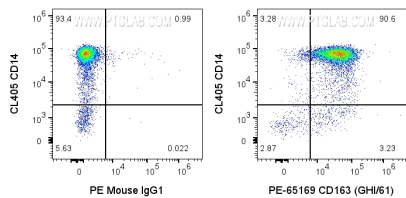
T: 4006900926

E: Proteintech-CN@ptglab.com

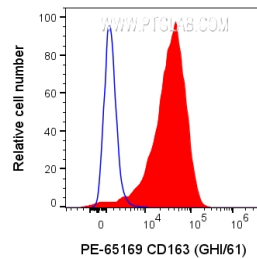
W: ptgcn.com

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Selected Validation Data



1X10⁶ human PBMCs were treated with FC receptor block then surface stained with CL405 Anti-Human CD14 and 5 ul PE Anti-Human CD163 (PE-65169, Clone:GHI/61) or PE Mouse IgG1 Isotype Control. Cells were not fixed. Monocytes were gated.



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