

For Research Use Only

# PE Anti-Human CD163 (GHI/61)

Catalog Number: PE-65169

1 Publications



## Basic Information

**Catalog Number:**

PE-65169

**Size:**

100tests, 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

## 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:

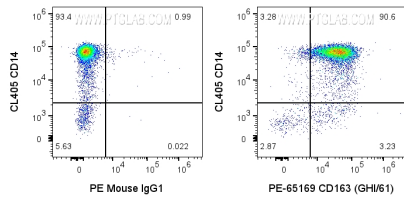
T: 4006900926

E: Proteintech-CN@ptglab.com

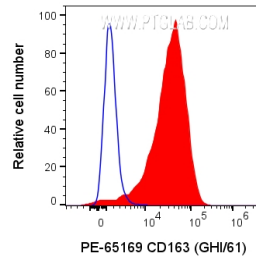
W: ptgcn.com

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## Selected Validation Data



1X10<sup>6</sup> 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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