

A Reliable Research Partner in Life Science and Medicine

# PerCP/Cyanine5.5 Anti-Human CD163 Antibody[GHI/61]

Catalog Number: E-AB-F1298J

Note: Centrifuge before opening to ensure complete recovery of vial contents.

## Description

Reactivity Human Host Mouse

**Isotype** Mouse IgG1, κ

Clone No. GHI/61

Isotype Control PerCP/Cyanine5.5 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792J]

**Conjugation** PerCP/Cyanine 5.5

**Conjugation Information** PerCP/Cyanine5.5 is designed to be excited by the blue laser (488 nm) and detected

using an optical filter centered near 675 nm (e.g., a 690/50 nm bandpass filter).

**Storage Buffer** Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

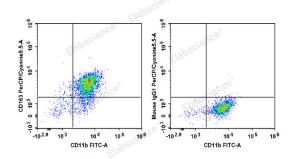
## Applications

## Recommended usage

**FCM** 

Each lot of this antibody is quality control tested by flow cytometric analysis. The amount of the reagent is suggested to be used 5  $\mu$ L of antibody per test (million cells in 100  $\mu$ L staining volume or per 100  $\mu$ L of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

#### Data



Staining of normal human peripheral blood cells with Anti-Human CD11c FITC and Anti-Human CD163 PerCP/Cyanine5.5 (left) or Mouse IgG1, κ Isotype Control PerCP/Cyanine5.5 (right). Cells in the monocyte gate were used for analysis.

## **Preparation & Storage**

**Storage** Keep as concentrated solution.

This product can be stored at 2-8°C for 12 months. Please protected from prolonged

exposure to light and do not freeze.

Shipping Ice bag

## **Antigen Information**

Alternate Names ED2(rat)Hemoglobin/Haptoglobin Complex ReceptorM130RM3/1macrophage-

associated antigenp155;GHI/61

Uniprot ID Q86VB7

# For Research Use Only

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017

Web:www.elabscience.com Email:techsupport@elabscience.com

## Elabscience Bionovation Inc.



A Reliable Research Partner in Life Science and Medicine

Gene ID **Background**  9332

CD163 is a member of the group B scavenger receptor cysteine-rich superfamily, also known as GHI/61, M130, RM3/1, p155, hemoglobin-haptoglobin complex receptor, or macrophage-associated antigen. It is a 134 kD (non-reduced)/155 kD (reduced) glycoprotein primarily expressed on macrophages, Kupffer cells, monocytes, a subset of dendritic cells, and a subset of hematopoietic stem/progenitor cells. CD163 binds to haptoglobin-hemoglobin complex and TWEAK, and plays a role in clearing hemoglobin and regulating cytokine production by macrophages. Membrane CD163 can be cleaved by metalloproteinases (MMP), resulting in a soluble form. Elevated serum level of sCD163 has been implicated in many kinds of inflammatory diseases.

Fax: 1-832-243-6017 Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Web:www.elabscience.com