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PerCP/Cyanine5.5 Anti-Human CD14 Antibody[H332-1B10]

Catalog Number: AN00213J

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

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Reactivity Human Rat Host

Isotype Rat IgG1, ĸ Clone No. H332-1B10

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

PerCP/Cyanine 5.5 Conjugation

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).

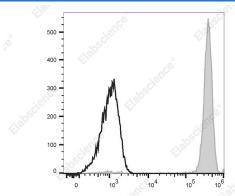
Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

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 µL of antibody per test (million cells in 100 μL staining volume or per 100 μL 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 PerCP/Cyanine5.5 Anti-Human CD14 Antibody[1B10] (filled gray histogram) or PerCP/Cyanine5.5 Rat IgG1, κ Isotype Control (empty black histogram). Cells in the monocytes 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 LPS receptor **Uniprot ID** P08571 Gene ID 929

For Research Use Only

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Background

Elabscience®

CD14 is a 53-55 kD glycosylphosphatidylinositol (GPI)-linked membrane glycoprotein also known as LPS receptor. CD14 is expressed at high levels on monocytes and macrophages, and at lower levels on granulocytes. Some dendritic cell populations such as interfollicular dendritic cells, reticular dendritic cells, and Langerhans cells have also been reported to express CD14. As a high-affinity receptor for LPS, CD14 is involved in the clearance of gram-negative pathogens and in the upregulation of adhesion molecules and cytokines expression in monocytes and neutrophils.

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