A Reliable Research Partner in Life Science and Medicine

PE/Elab Fluor® 594 Anti-Human CD14 Antibody[UCHM-1]

Catalog Number: AN00420P

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

Description

Reactivity Human Host Mouse

Isotype Mouse IgG2a, κ

Clone No. UCHM-1

Isotype Control

PE/Elab Fluor[®] 594 Mouse IgG2a, κ Isotype Control[C1.18.4] [Product E-AB-F09802P]

Conjugation PE/Elab Fluor® 594

Conjugation Information PE/Elab Fluor® 594 is designed to be excited by the blue (488 nm), Green (532 nm) and

yellow-green (561 nm) lasers and detected using an optical filter centered near 620 nm

(e.g., a 610/20 nm bandpass filter).

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

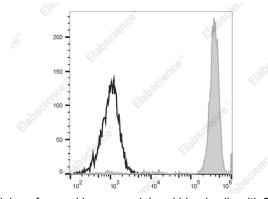
Applications Recommended usage

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 μ L of antibody per test (million cells in 100 μ L staining volume or per 100 μ 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 PE/Elab

Fluor[®] 594 Anti-Human CD14 Antibody[UCHM-1] (filled gray histogram) or PE/Elab Fluor[®] 594 Mouse IgG2a, 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 Monocyte differentiation antigen CD14;myeloid cell-specific leucine-rich glycoprotein;

LPS receptor

For Research Use Only

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Uniprot ID Gene ID Background P08571 929

CD14 is a 53-55 kD glycosylphosphatidylinositol (GPI)-linked membrane glycoprotein that is also known as the 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 cytokine expression in monocytes and neutrophils.

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