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PE/Cyanine7 Anti-Mouse CD14 Antibody[Sa14-2]

Catalog Number: E-AB-F1176UH

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

Description

Reactivity Mouse Rat Host

Isotype Rat IgG2a, ĸ Clone No. Sa14-2

PE/Cyanine7 Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09833H] Isotype Control

PE/Cyanine 7 Conjugation

Conjugation Information PE/Cyanine7 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 775 nm

(e.g., a 780/60 nm bandpass filter).

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

Applications Recommended usage

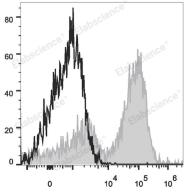
FCM Each lot of this antibody is quality control tested by flow cytometric analysis. Please

> check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each investigator should titrate the

> reagent to obtain optimal results [The recommended concentration is 0.1-1 μg/10⁶ cells

in 100 µL volume].

Data



Mouse abdominal macrophages elicited by starch broth are stained with PE/Cyanine7 Anti-Mouse CD14 Antibody (filled gray histogram). Unstained macrophages (blank black histogram) are used as control.

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 CD 14;Monocyte differentiation antigen CD14;Myeloid cell-specific leucine-rich

glycoprotein

Uniprot ID P10810

For Research Use Only

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Gene ID Background 12475

CD14 is a 53-55 kD glycosylphosphatidylinositol (GPI)-linked membrane glycoprotein also known as LPS receptor. CD14 is expressed on macrophages, dendritic cells, Kupffer cells, hepatocytes, and granulocytes. As a high-affinity receptor for LPS-LBP (LPS-binding protein) complex, CD14, in association with Toll-like Receptor 4 (TLR4) or 2 (TLR2), is involved in the clearance of gram-negative pathogens.