

A Reliable Research Partner in Life Science and Medicine

APC Anti-Mouse CD14 Antibody[Sa14-2]

Catalog Number: E-AB-F1176UE

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

Description

Reactivity Mouse Rat Host

Isotype Rat IgG2a, ĸ Clone No. Sa14-2

APC Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09833E] Isotype Control

APC Conjugation

Conjugation Information APC is designed to be excited by the Red (627-640 nm) laser and detected using an

optical filter centered near 660 nm (e.g., a 660/20 nm bandpass filter).

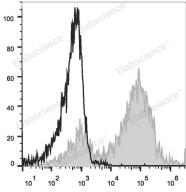
Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer. Storage Buffer

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 APC Anti-Mouse CD14 Antibody (filled gray histogram). Unstained macrophages (blank black histogram) are used as control.

Preparation & Storage

Keep as concentrated solution. **Storage**

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 Gene ID 12475

For Research Use Only

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Background

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.