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## PE/Cyanine5 Anti-Mouse CD14 Antibody[Sa14-2]

Catalog Number: E-AB-F1176UG

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

**Description** 

Reactivity Mouse Host Rat

Isotype Rat IgG2a, κ
Clone No. Sa14-2

Isotype Control PE/Cyanine5 Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09833G]

Conjugation PE/Cyanine 5

Conjugation Information PE/Cyanine5 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 670 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. 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  $0.1-1 \mu g/10^6$  cells

in 100 µL volume].

**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

 Gene ID
 12475

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.