Elabscience®

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

Catalog No.	E-AB-F1176H	**Reactivity**	Mouse
Storage	Store at 2~8℃, Avoid freeze / thaw cycles	**Applications**	FCM

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

Antigen Information

Alternate Names	CD 14,Myeloid cell-specific leucine-rich glycoprotein,Monocyte differentiation antigen CD14
Uniprot ID	P10810
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.

Product Details

Form	Liquid
Size	50Tests/100Tests/100Tests×2
Clone No.	Sa14-2
Host	Rat
Isotype	Rat IgG2a, κ
Reactivity	Mouse
Application	FCM
Isotype Control	PE/Cyanine7 Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09832H]
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.
Shipping	Biological ice pack at 4 ℃
Stability & Storage	Keep as concentrated solution. Store at 2~8℃ and protected from prolonged exposure to light.Do not freeze. This product is guaranteed up to one year from purchase.

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Fluorophore

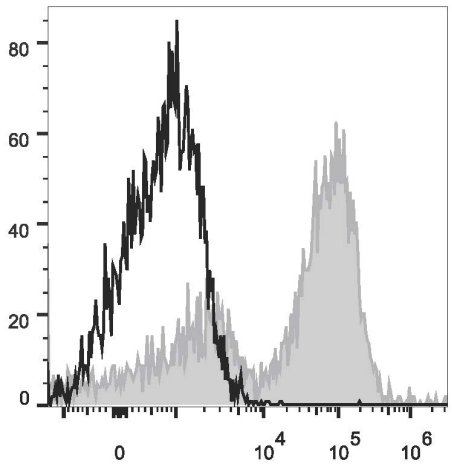
Conjugation: PE/Cyanine7

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).

Recommended usage

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.

Product 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.

Related Information

1. Sample Preparation for Flow Cytometry https://www.elabscience.com/List-detail-5594.html
2. Staining Cell Surface Targets for Flow Cytometry https://www.elabscience.com/List-detail-5568.html
3. Flow Cytometry Troubleshooting Tips https://www.elabscience.com/List-detail-5593.html
4. How to select the appropriate detection channel through the spectrogram? https://www.elabscience.com/List-detail-459742.html