

## PE/Cyanine5.5 Anti-Mouse CD14 Antibody[Sa14-2]

|                    |  |                     |       |
|--------------------|--|---------------------|-------|
| <b>Catalog No.</b> | E-AB-F1176I                                | <b>Reactivity</b>   | Mouse |
| <b>Storage</b>     | Store at 2~8°C, Avoid freeze / thaw cycles | <b>Applications</b> | FCM   |

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

### Antigen Information

|                        |  |
|------------------------|--|
| <b>Alternate Names</b> | CD 14, Myeloid cell-specific leucine-rich glycoprotein, Monocyte differentiation antigen CD14  |
| <b>Uniprot ID</b>      | P10810   |
| <b>Background</b>      | 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

|                                |   |
|--------------------------------|---|
| <b>Form</b>                    | Liquid  |
| <b>Size</b>                    | 50Tests/100Tests/100Tests×2   |
| <b>Clone No.</b>               | Sa14-2  |
| <b>Host</b>                    | Rat   |
| <b>Isotype</b>                 | Rat IgG2a, κ  |
| <b>Reactivity</b>              | Mouse   |
| <b>Application</b>             | FCM   |
| <b>Isotype Control</b>         | <a href="#">PE/Cyanine5.5 Rat IgG2a, κ Isotype Control[2A31]</a> [ <a href="#">Product E-AB-F09832I</a> ]   |
| <b>Storage Buffer</b>          | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.   |
| <b>Shipping</b>                | Biological ice pack at 4 °C   |
| <b>Stability &amp; Storage</b> | Keep as concentrated solution.<br>Store at 2~8°C and protected from prolonged exposure to light. Do not freeze.<br>This product is guaranteed up to one year from purchase. |

#### For Research Use Only

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If you would like to learn more about antibodies, please visit [www.elabscience.com](http://www.elabscience.com).

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Applications: Activ- Activation; Block- Blocking; Separation- Cell Separation ; Cell Sep-Neg- Cell Separation by Negative Selection; FA- Functional Assay; Neut- Neutralization; Stim- Stimulation; FCM- Flow Cytometry; ICFM: Intracellular Staining for Flow Cytometry; WB- Western Blotting; IHC- Immunohistochemistry; IF- Immunofluorescence; IP- Immunoprecipitation

## Fluorophore

**Conjugation:** PE/Cyanine5.5

PE/Cyanine5.5 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 690 nm (e.g., a 690/50 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.

## 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>

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