# Elab Fluor® Violet 450 Anti-Mouse CD14 Antibody[Sa14-2]

**Catalog Number:** E-AB-F1176Q

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

## Description

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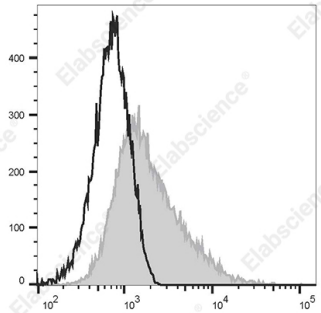
| **Reactivity** | Mouse |
| **Host** | Rat |
| **Isotype** | Rat IgG2a, κ |
| **Clone No.** | Sa14-2 |
| **Isotype Control** | Elab Fluor® Violet 450 Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09832Q] |
| **Conjugation** | Elab Fluor® Violet 450 |
| **Conjugation Information** | Elab Fluor® Violet 450 is designed to be excited by the violet laser (405 nm) and detected using an optical filter centered near 450 nm (e.g., a 450/45 nm bandpass filter). |
| **Storage Buffer** | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant. |

| Applications | Recommended usage |
|---|---|
| **FCM** | 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. |

## Data




Raw264.7 cells are stained with Elab Fluor® Violet 450 Anti-Mouse CD14 Antibody[Sa14-2] (filled gray histogram) or

Elab Fluor® Violet 450 Rat IgG2a, κ Isotype Control (empty black histogram).

## Preparation & Storage

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| **Storage** | Keep as concentrated solution.<br>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

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| **Alternate Names** | CD 14;Monocyte differentiation antigen CD14;Myeloid cell-specific leucine-rich glycoprotein |
| **Uniprot ID** | P10810 |


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| | |
|---|---|
| **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. |


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