

## FITC Anti-Human CD14 Antibody[H332-1B10]

Catalog Number: AN00213C

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

### Description

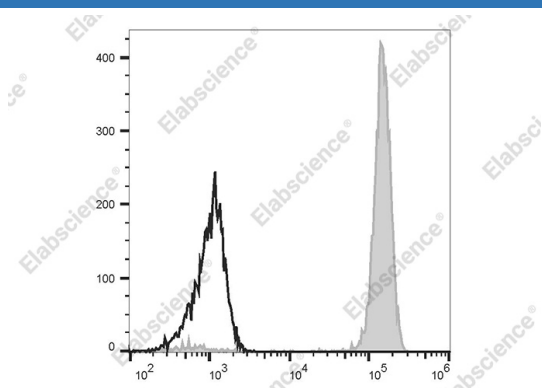
|                                |  |
|--------------------------------|--|
| <b>Reactivity</b>              | Human  |
| <b>Host</b>                    | Rat  |
| <b>Isotype</b>                 | Rat IgG1, $\kappa$   |
| <b>Clone No.</b>               | H332-1B10  |
| <b>Isotype Control</b>         | FITC Mouse IgG1, $\kappa$ Isotype Control[MOPC-21] [Product E-AB-F09792C]  |
| <b>Conjugation</b>             | FITC   |
| <b>Conjugation Information</b> | FITC is designed to be excited by the Blue laser (488 nm) and detected using an optical filter centered near 530 nm (e.g., a 525/40 nm bandpass filter). |
| <b>Storage Buffer</b>          | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.  |

### Applications

### Recommended usage

|            |  |
|------------|--|
| <b>FCM</b> | Each lot of this antibody is quality control tested by flow cytometric analysis. <b>The amount of the reagent is suggested to be used 5 <math>\mu</math>L of antibody per test (million cells in 100 <math>\mu</math>L staining volume or per 100 <math>\mu</math>L of whole blood).</b> Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. |
|------------|--|

### Data



Staining of normal human peripheral blood cells with FITC Anti-Human CD14 Antibody[H332-1B10] (filled gray histogram) or FITC Rat IgG1,  $\kappa$  Isotype Control (empty black histogram). Cells in the monocytes gate were used for analysis.

### Preparation & Storage

|                 |   |
|-----------------|---|
| <b>Storage</b>  | Keep as concentrated solution.<br>This product can be stored at 2-8°C for 24 months. Please protected from prolonged exposure to light and do not freeze. |
| <b>Shipping</b> | Ice bag   |

### Antigen Information

|                        |              |
|------------------------|--------------|
| <b>Alternate Names</b> | LPS receptor |
| <b>Uniprot ID</b>      | P08571       |
| <b>Gene ID</b>         | 929          |

### For Research Use Only

## Background

CD14 is a 53-55 kD glycosylphosphatidylinositol (GPI)-linked membrane glycoprotein also known as LPS receptor. CD14 is expressed at high levels on monocytes and macrophages, and at lower levels on granulocytes. Some dendritic cell populations such as interfollicular dendritic cells, reticular dendritic cells, and Langerhans cells have also been reported to express CD14. As a high-affinity receptor for LPS, CD14 is involved in the clearance of gram-negative pathogens and in the upregulation of adhesion molecules and cytokines expression in monocytes and neutrophils.