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# Biotin Anti-Human CD14 Antibody[1B10]

Catalog Number: AN00213B

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

#### **Description**

Reactivity Human Host Rat

**Isotype** Rat IgG1, κ Clone No. 1B10

Isotype Control Biotin Rat IgG1, κ Isotype Control[HRPN] [Product E-AB-F09823B]

Conjugation Biotin

Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

#### Applications Recommended usage

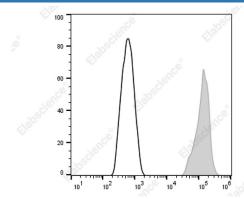
**FCM** Each lot of this antibody is quality control tested by flow cytometric analysis. Please

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<sup>6</sup> cells

in 100 µL volume].

#### Data



Staining of normal human peripheral blood cells with Biotin Anti-Human CD14 Antibody[1B10] followed by Streptavidin-

Elab Fluor<sup>®</sup> 647 (Left)(filled gray histogram) or Biotin Rat IgG1,  $\kappa$  Isotype Control followed by Streptavidin-Elab Fluor<sup>®</sup> 647 (Left)(empty black histogram). Cells in the monocytes gate were used for analysis.

#### **Preparation & Storage**

**Storage** Keep as concentrated solution.

This product can be stored at 2-8  $^{\circ}\text{C}$  for 12 months. Please protected from prolonged

exposure to light and do not freeze.

Shipping Ice bag

#### **Antigen Information**

Alternate Names LPS receptor;AN00213

 Uniprot ID
 P08571

 Gene ID
 929

## For Research Use Only

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## **Elabscience Bionovation Inc.**



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### **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.

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