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# APC Anti-Human CD64 Antibody[10.1]

Catalog Number: E-AB-F1082E

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

#### Description

Reactivity Human Host Mouse

**Isotype** Mouse IgG1, κ

Clone No. 10.1

Isotype Control APC Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792E]

Conjugation APC

**Conjugation Information** APC is designed to be excited by the Red (627-640 nm) laser and detected using an

optical filter centered near 660 nm (e.g., a 660/20 nm bandpass filter).

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

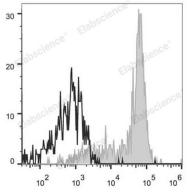
#### Applications

#### Recommended usage

**FCM** 

Each lot of this antibody is quality control tested by flow cytometric analysis. The amount of the reagent is suggested to be used 5  $\mu$ L of antibody per test (million cells in 100  $\mu$ L staining volume or per 100  $\mu$ L of whole blood). 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 APC Anti-Human CD64 Antibody[10.1] (filled gray histogram) or APC Mouse IgG1, κ Isotype Control (empty black histogram). Cells in the lymphocytes 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 CD64;CD64A/B/C;FCGR1A/B/C;Fc fragment of IgG high affinity la/b/c receptor;Fc

gamma RI;IGFR 1

 Uniprot ID
 P12314

 Gene ID
 2209

## For Research Use Only

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#### **Elabscience Bionovation Inc.**

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# **Background**

Elabscience®

CD64 is a 72 kD single chain type I glycoprotein also known as FcyRI and FcR I. CD64 is a member of the immunoglobulin superfamily and is expressed on monocytes/ macrophages, dendritic cells, and activated granulocytes. The expression can be upregulated by IFN-y stimulation. CD64 binds IgG immune complex. It plays a role in antigen capture, phagocytosis of IgG/antigen complexes, and antibody-dependent cellular cytotoxicity (ADCC).

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