

A Reliable Research Partner in Life Science and Medicine

# Elab Fluor® 700 Anti-Human CD64 Antibody[10.1]

Catalog Number: E-AB-F1082M1

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

### **Description**

Reactivity Human Mouse Host

Isotype Mouse IgG1, ĸ

Clone No. 10.1

Isotype Control Elab Fluor® 700 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792M1]

Conjugation Elab Fluor®700

**Conjugation Information** Elab Fluor® 700 is designed to be excited by the Red laser (627-640 nm) and detected

using an optical filter centered near 719 nm (e.g., a 725/40 nm bandpass filter).

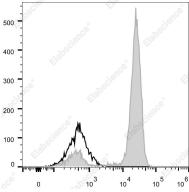
Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer. Storage Buffer

#### **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



Staining of normal human peripheral blood cells with Elab

Fluor® 700 Anti-Human CD64 Antibody[10.1](filled gray histogram) or Elab Fluor® 700 Mouse IgG1, κ Isotype Control(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°C for 12 months. Please protected from prolonged

exposure to light and do not freeze.

Shipping Ice bag

# **Antigen Information**

CD64;CD64A/B/C;FCGR1A/B/C;Fc fragment of IgG high affinity la/b/c receptor;Fc **Alternate Names** 

gamma RI;IGFR 1

**Uniprot ID** P12314

# For Research Use Only

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### **Elabscience Bionovation Inc.**



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Gene ID **Background**  2209

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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