

A Reliable Research Partner in Life Science and Medicine

Elab Fluor® 488 Anti-Human CD64 Antibody[10.1]

Catalog Number: E-AB-F1082L

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® 488 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792L]

Conjugation Elab Fluor®488

Conjugation Information Elab Fluor® 488 is designed to be excited by the Blue laser (488 nm) and detected using

an optical filter centered near 520 nm (e.g., a 525/40 nm bandpass filter).

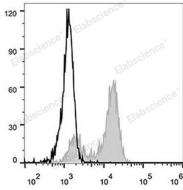
Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer. Storage Buffer

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



Human peripheral blood lymphocytes are stained with Elab

Fluor® 488 Anti-Human CD64 Antibody (filled gray histogram). Unstained lymphocytes (empty black histogram) are used as control.

Preparation & Storage

Keep as concentrated solution. **Storage**

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

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

gamma RI;IGFR 1

Uniprot ID P12314 Gene ID 2209

For Research Use Only

Fax: 1-832-243-6017 Tel: 1-832-243-6086 Toll-free: 1-888-852-8623 Email:techsupport@elabscience.com

Web:www.elabscience.com

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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