

A Reliable Research Partner in Life Science and Medicine

Elab Fluor® 700 Anti-Mouse CD64/FcγRI Antibody[X54-5/7.1]

Catalog Number: E-AB-F1186UM1

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

Description

Reactivity Mouse
Host Mouse

Isotype Mouse IgG1, κ **Clone No.** X54-5/7.1

Isotype Control Elab Fluor® 700 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09793M1]

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).

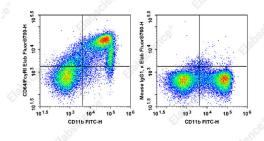
Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

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 μ g/10⁶ cells in 100 μ L volume].

Data



Staining of C57BL/6 murine bone marrow cells with FITC

Anti-Mouse/Human CD11b Antibody [M1/70] andElab Fluor® 700 Anti-Mouse CD64/FcγRI Antibody[X54-5/7.1](left) orElab

Fluor[®] 700 Mouse IgG1, κ Isotype Control(right).Total viable cells 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 lce bag

Antigen Information

Alternate Names CD64;FcRI;Fcg1;Fcgr1;lgG Fc receptor I

 Uniprot ID
 P26151

 Gene ID
 14129

For Research Use Only

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017

Web:www.elabscience.com Email:techsupport@elabscience.com

Elabscience Bionovation Inc.



A Reliable Research Partner in Life Science and Medicine

Background

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

Fax: 1-832-243-6017 Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Email:techsupport@elabscience.com Web:<u>w w w .elabscience.com</u>