

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-F1186M1

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-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).

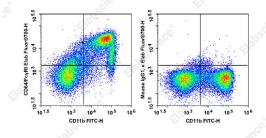
Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

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 μ L of antibody per test (million cells in 100 μ L staining volume or per 100 μ 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 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 Ice bag

Antigen Information

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

 Uniprot ID
 P26151

 Gene ID
 14129

For Research Use Only

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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).

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