

Elab Fluor® Red 780 Anti-Mouse CD64/FcγRI Antibody[X54-5/7.1]

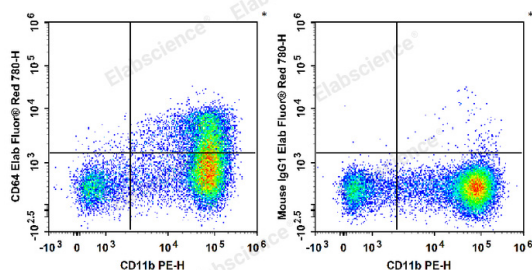
Catalog Number: GFH1186S

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® Red 780 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792S]
Conjugation	Elab Fluor® Red 780
Conjugation Information	Elab Fluor® Red 780 is designed to be excited by the Red (627-640 nm) laser and detected using an optical filter centered near 770 nm (e.g., a 780/60 nm bandpass filter).
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide.

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



C57BL/6 murine bone marrow cells are stained with PE Anti-Mouse/Human CD11b Antibody and Elab Fluor® Red 780 Anti-Mouse CD64 Antibody (Left). Bone marrow cells are stained with PE Anti-Mouse/Human CD11b Antibody and Elab Fluor® Red 780 Mouse IgG1, κ Isotype Control (Right).

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;Fcγ1;Fcgr1;IgG Fc receptor I
Uniprot ID	P26151
Gene ID	14129

For Research Use Only

Background

CD64 is a 72 kD single chain type I glycoprotein also known as FcγRI 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-γ stimulation. CD64 binds IgG immune complex. It plays a role in antigen capture, phagocytosis of IgG/antigen complexes, and antibody-dependent cellular cytotoxicity (ADCC).