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Elab Fluor® 647 Anti-Mouse CD117/c-Kit Antibody[2B8]

Catalog No. E-AB-F1092M Reactivity Mouse Storage Store at 2~8°C, Avoid freeze / thaw cycles **Applications FCM**

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

Antigen Information

Alternate Names Mast/stem cell growth factor receptor Kit, Kit, SCFR, Proto-oncogene c-Kit, Tyrosine-protein

kinase Kit, CD117

Uniprot ID P05532

Background CD117 is a 145 kD immunoglobulin superfamily member also known as c-Kit and stem cell

> factor receptor (SCFR). It is a transmembrane tyrosine-kinase receptor that binds the c-Kit ligand (also known as steel factor, stem cell factor, and mast cell growth factor). CD117 is expressed on hematopoietic stem cells (including multipotent hematopoietic stem cells, progenitors committed to myeloid and/or erythroid lineages, and T and B cell precursors), mast cells, and acute myeloid leukemia (AML) cells. CD117 interaction with its ligand is critical for the development of

hematopoietic stem cells.

Product Details

Form Liquid

50Tests/100Tests/100Tests×2 Size

Clone No. 2B8 Host Rat

Rat IgG2b, κ **Isotype** Reactivity Mouse **Application FCM**

Elab Fluor[®] 647 Rat IgG2b, κ Isotype Control[LTF-2] [Product E-AB-F09842M] **Isotype Control**

Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant. **Storage Buffer**

Shipping Biological ice pack at 4 °C Stability & Storage Keep as concentrated solution.

Store at 2~8°C and protected from prolonged exposure to light.Do not freeze.

This product is guaranteed up to one year from purchase.

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



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Fluorophore

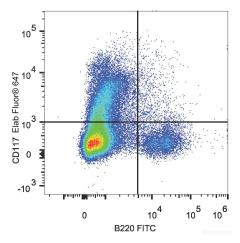
Conjugation: Elab Fluor® 647

Elab Fluor $^{\otimes}$ 647 is designed to be excited by the Red laser (627-640 nm) and detected using an optical filter centered near 670 nm (e.g., a 660/20 nm bandpass filter).

Recommended usage

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.

Product data



C57BL/6 murine bone marrow cells are stained with Elab Fluor[®] 647 Anti-Mouse CD117 Antibody and FITC Anti-Mouse B220 Antibody.

Related Information

- 1. Sample Preparation for Flow Cytometry https://www.elabscience.com/List-detail-5594.html
- 2. Staining Cell Surface Targets for Flow Cytometry https://www.elabscience.com/List-detail-5568.html
- 3. Flow Cytometry Troubleshooting Tips https://www.elabscience.com/List-detail-5593.html
- 4. How to select the appropriate detection channel through the spectrogram? https://www.elabscience.com/List-detail-459742.html

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