

PE Anti-Mouse CD117/c-Kit Antibody[2B8]

Catalog Number: E-AB-F1092D

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

Description

| | |
|-------------------------|---|
| Reactivity | Mouse |
| Host | Rat |
| Isotype | Rat IgG2b, κ |
| Clone No. | 2B8 |
| Isotype Control | PE Rat IgG2b, κ Isotype Control[LTF-2] [Product E-AB-F09842D] |
| Conjugation | PE |
| Conjugation Information | PE is designed to be excited by the Blue (488 nm), Green (532 nm) and Yellow-Green (561 nm) lasers and detected using an optical filter centered near 575 nm (e.g., a 585/42 nm bandpass filter). |
| Storage Buffer | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant. |

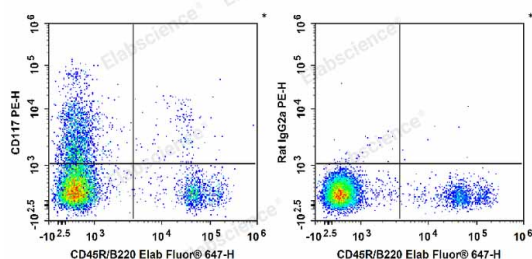
Applications

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



C57BL/6 murine bone marrow cells are stained with Elab

Fluor® 647 Anti-Mouse CD45R/B220 Antibody and PE Anti-Mouse CD117 Antibody (Left). Bone marrow cells are

stained with Elab Fluor® 647 Anti-Mouse CD45R/B220 Antibody and PE Rat IgG2b, 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

CD117;Kit;Mast/stem cell growth factor receptor Kit;Proto-oncogene c-Kit;SCFR; Tyrosine-protein kinase Kit;c-Kit

For Research Use Only

Uniprot ID

P05532

Gene ID

16590

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.

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