

Elab Bright Violet 421 Anti-Mouse CD117/c-Kit Antibody[2B8]

Catalog Number: E-AB-F1092Q2

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	[Product E-AB-F0984Q2]
Conjugation	Elab Bright Violet 421
Conjugation Information	Elab Bright Violet 421 is designed to be excited by the violet laser (405 nm) and detected using an optical filter centered near 421 nm (e.g., a 450/50 nm bandpass filter).
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.

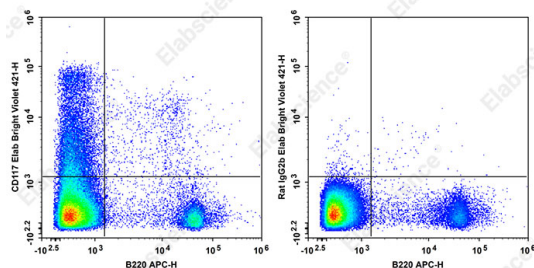
Applications

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



Staining of Balb/C murine bone marrow cells with APC Anti-Mouse B220 Antibody and Elab Bright Violet 421 Rat Anti-Mouse CD117[2B8] (left) or Elab Bright Violet 421 Rat IgG2b, 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

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

For Research Use Only

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Rev. V1.2

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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