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

Catalog Number: E-AB-F1092C

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 FITC Rat IgG2b, κ Isotype Control[LTF-2] [Product E-AB-F09842C]

Conjugation FITC

Conjugation Information FITC is designed to be excited by the Blue laser (488 nm) and detected using an optical

filter centered near 530 nm (e.g., a 525/40 nm bandpass filter).

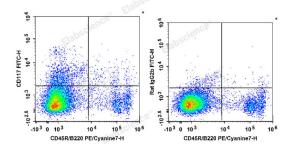
Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

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



C57BL/6 murine bone marrow cells are stained with PE/Cyanine7 Anti-Mouse CD45R/B220 Antibody and FITC Anti-Mouse CD117 Antibody (Left). Bone marrow cells are stained with PE/Cyanine7 Anti-Mouse CD45R/B220 Antibody and FITC 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

Uniprot ID P05532

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Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017

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Gene ID Background 16590

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.