

A Reliable Research Partner in Life Science and Medicine

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

Catalog Number: E-AB-F1092UC

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

#### **Description**

Reactivity Mouse Host Rat

lsotype Rat lgG2b, κ

Clone No. 2B8

Isotype Control FITC Rat IgG2b, κ Isotype Control[LTF-2] [Product E-AB-F09843C]

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.

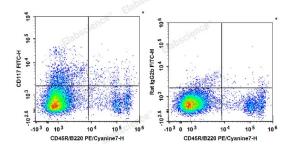
#### Applications Recommended usage

**FCM** Each lot of this antibody is quality control tested by flow cytometric analysis. Please

check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each investigator should titrate the reagent to obtain optimal results [The recommended concentration is  $0.1-1 \, \mu g/10^6$  cells

in 100 µL volume].

#### 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 lce 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

### 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

# Elabscience®

#### Elabscience Bionovation Inc.

A Reliable Research Partner in Life Science and Medicine

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.