

For Research Use Only

FITC Anti-Mouse CD117 (2B8)

Catalog Number: FITC-65054



Basic Information

Catalog Number: FITC-65054	GenBank Accession Number: BC052457	Purification Method: Affinity purification
Size: 500ug, 0.5 mg/ml	GeneID (NCBI): 16590	CloneNo.: 2B8
Source: Rat	Full Name: kit oncogene	Excitation/Emission maxima wavelengths: 494 nm / 520 nm
Isotype: IgG2b, kappa		

Applications

Tested Applications:
FC

Species Specificity:
Mouse

Background Information

CD117, also known as c-Kit and SCFR, is a transmembrane protein with tyrosine kinase activity encoded by the oncogene c-kit (PMID: 2448137). It is a member of the type III receptor tyrosine kinase family, which also includes CSF-1R, PDGFR β , PDGFR α , and FLT3 (PMID: 29518044). CD117 is expressed on hematopoietic stem cells and progenitor cells, mast cells, and is also found in a wide range of non-haemopoietic cell types (including melanocytes, germ cells, astrocytes, renal tubules, breast glandular epithelial cells, sweat glands, and interstitial cells of Cajal) (PMID: 10582338; 23073628). CD117 plays an important role in early haemopoiesis. It is also involved in pigmentation, fertility, gut movement, and some aspects of the nervous system (PMID: 23073628).

Storage

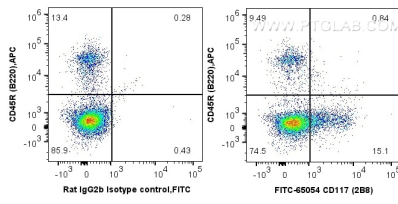
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:
PBS with 0.1% sodium azide.

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ mouse bone marrow cells were surface co-stained with APC Anti-Mouse CD45R (B220) and 0.5 ug FITC Anti-Mouse CD117 (FITC-65054, Clone: 2B8) or 0.5 ug Isotype Control. Cells were not fixed.