

CoraLite®594 Anti-Mouse CD117/c-Kit (2B8)

Catalog Number: **CL594-65054**

Basic Information

Catalog Number: CL594-65054	GenBank Accession Number: BC052457	Purification Method: Affinity purification
Size: 100ug, 500 µg/ml	GeneID (NCBI): 16590	CloneNo.: 2B8
Source: Rat	UNIPROT ID: P05532	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Isotype: IgG2b, kappa	Full Name: kit oncogene	

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 and 0.5% BSA, pH 7.3.

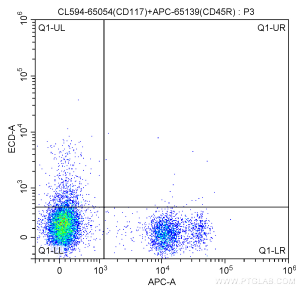
For technical support and original validation data for this product please contact:

T: 4006900926

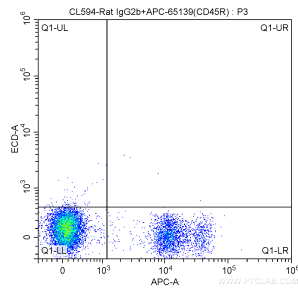
E: Proteintech-CN@ptglab.comW: ptgcn.com

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Selected Validation Data



1X10⁶ C57BL/6 mouse bone marrow cells were surface stained with APC Anti-Mouse CD45R (B220) (APC-65139, Clone: RA3-6B2) and CoraLite® 594-conjugated Anti-Mouse CD117 (CL594-65054, Clone: 2B8). Cells were not fixed.



1X10⁶ C57BL/6 mouse bone marrow cells were surface stained with APC Anti-Mouse CD45R (B220) (APC-65139, Clone: RA3-6B2) and CoraLite® 594-conjugated Rat IgG2b isotype control antibody. Cells were not fixed.