

For Research Use Only

CoraLite®594 Anti-Mouse CD117/c-Kit Rabbit Recombinant Antibody

Catalog Number: CL594-98041



Basic Information

Catalog Number:

CL594-98041

Size:

100ug , 500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG0883

GenBank Accession Number:

NM_001122733.1

GeneID (NCBI):

16590

UNIPROT ID:

P05532-1

Full Name:

kit oncogene

Calculated MW:

109 kDa

Purification Method:

Protein A purification

CloneNo.:

240246C11

Excitation/Emission maxima wavelengths:

588 nm / 604 nm

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, PDGFRβ, PDGFRα, 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 0.09% sodium azide, pH7.3

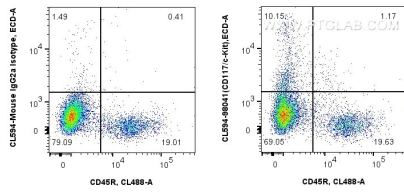
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

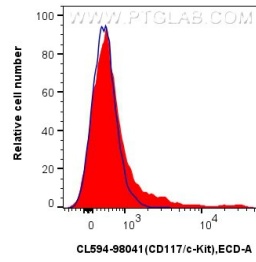
E: proteintech@ptglab.com
W: ptglab.com

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 stained with CoraLite® Plus 488 Anti-Mouse CD45R, and 0.25 ug CoraLite® 594 Anti-Mouse CD117/c-Kit Rabbit Recombinant Antibody (CL594-98041, Clone: 240246C11) or Isotype Control. Cells were not fixed.



1x10⁶ mouse bone marrow cells were surface stained with 0.25 ug CoraLite® 594 Anti-Mouse CD117/c-Kit Rabbit Recombinant Antibody (CL594-98041, Clone: 240246C11) (red) or Isotype Control (blue). Cells were not fixed.