

For Research Use Only

# CoraLite® Plus 647 Anti-Mouse CD117/c-Kit Rabbit Recombinant Antibody

Catalog Number: **CL647-98041**



## Basic Information

Catalog Number:

CL647-98041

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:

654 nm / 674 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

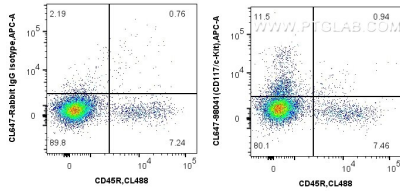
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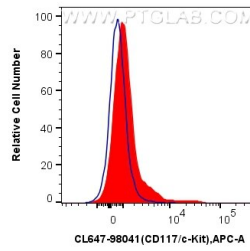
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

## Selected Validation Data



1x10<sup>6</sup> mouse bone marrow cells were surface stained with CoraLite® Plus 488 Anti-Mouse CD45R, and 0.25 ug CoraLite® Plus 647 Anti-Mouse CD117/c-Kit Rabbit Recombinant Antibody (CL647-98041, Clone: 240246C11) or Isotype Control. Cells were not fixed.



1x10<sup>6</sup> mouse bone marrow cells were surface stained with 0.25 ug CoraLite® Plus 647 Anti-Mouse CD117/c-Kit Rabbit Recombinant Antibody (CL647-98041, Clone: 240246C11) (red), or Isotype Control (blue). Cells were not fixed.