

For Research Use Only

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

Catalog Number: **CL647-98041**



## Basic Information

<b>Catalog Number:</b> CL647-98041	<b>GenBank Accession Number:</b> NM_001122733.1	<b>Purification Method:</b> Protein A purification
<b>Concentration:</b> 100ug, 500 µg/ml	<b>GeneID (NCBI):</b> 16590	<b>CloneNo.:</b> 240246C11
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P05532-1	<b>Excitation/Emission maxima wavelengths:</b> 654 nm / 674 nm
<b>Isotype:</b> IgG	<b>Full Name:</b> kit oncogene	
<b>Immunogen Catalog Number:</b> EG0883	<b>Calculated MW:</b> 109 kDa	

## 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  $\beta$ , PDGFR  $\alpha$ , 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:

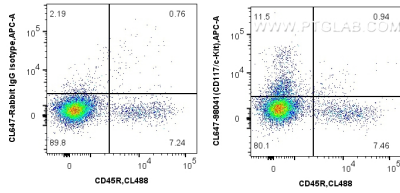
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

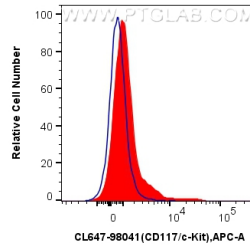
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## Selected Validation Data



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.