For Research Use Only

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

Catalog Number:CL647-98041

proteintech®
Antibodies | ELISA kits | Proteins
Uni-rAb
www.ptglab.com

Basic Information

Catalog Number:
CL647-98041

Concentration:
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

Recommended Dilutions:
FC: 0.25 ug per 10^6 cells in 100 μl suspension

Excitation/Emission maxima wavelengths:
654 nm / 674 nm

Applications

Tested Applications:
FC

Species Specificity:
mouse

Positive Controls:

FC : mouse bone marrow cells,

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).

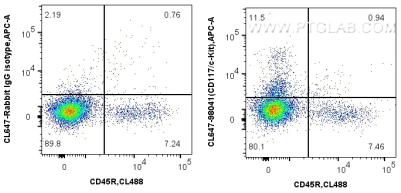
Storage

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

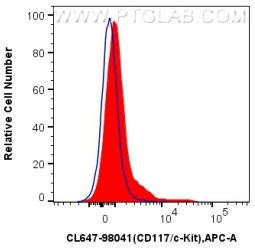
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

Selected Validation Data



1x10^6 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.



1x10^6 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.