

For Research Use Only

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

Catalog Number: **CL647-98377**



Basic Information

Catalog Number:

CL647-98377

Concentration:

100tests, 5 ul/test

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC071593

GeneID (NCBI):

3815

UNIPROT ID:

P10721

Full Name:

v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog

Calculated MW:

976 aa, 110 kDa

Purification Method:

Protein A purification

CloneNo.:

241313C5

Excitation/Emission maxima wavelengths:

654 nm / 674 nm

Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : human blood 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, 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 0.09% sodium azide and 0.5% BSA, pH7.3

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

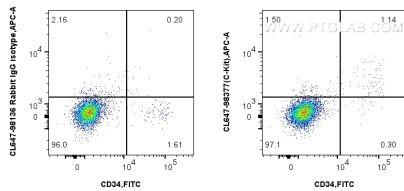
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Selected Validation Data



1x10⁶ human blood cells were surface stained with FITC Plus Anti-Human CD34, and 5 ul CoraLite® Plus 647 Anti-Human C-Kit Rabbit RecAb (CL647-98377, Clone: 241313C5), or CoraLite® Plus 647 Rabbit IgG Isotype Control RecAb (CL647-98136, Clone: 240953C9). Cells were not fixed. Lymphocytes were gated.