CoraLite® Plus 488 Anti-Mouse CD117/c-Kit Rabbit Recombinant Antibody

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Antibodies | ELISA kits | Proteins
Uni-rAb
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Catalog Number: CL488-98041

Basic Information

Catalog Number:
CL488-98041

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:
493 nm / 522 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).
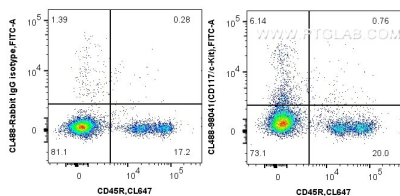
Storage

Storage:
Store at 2-8℃. Avoid exposure to light. Stable for one year after shipment.
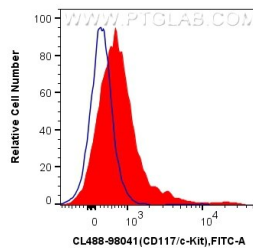**Storage Buffer:**
PBS with 0.09% sodium azide, pH7.3

1x10^6 mouse bone marrow cells were surface stained with CoraLite® Plus 647 Anti-Mouse CD45R, and 0.25 ug CoraLite® Plus 488 Anti-Mouse CD117/c-Kit Rabbit Recombinant Antibody (CL488-98041, Clone: 240246C11) or Isotype Control.Cells were not fixed.

1x10^6 mouse bone marrow cells were surface stained with 0.25 ug CoraLite® Plus 488 Anti-Mouse CD117/c-Kit Rabbit Recombinant Antibody (CL488-98041, Clone: 240246C11) (red) or Isotype Control (blue). Cells were not fixed.