

For Research Use Only



FcZero-rAb® Biotin Anti-Mouse CD117/c-Kit Rabbit Recombinant Antibody

Catalog Number: Biotin-FcA98041

Basic Information

Catalog Number: Biotin-FcA98041	GenBank Accession Number: NM_001122733.1	Purification Method: Protein A purification
Size: 100ug, 500 ug/ml	GeneID (NCBI): 16590	CloneNo.: 240246C11
Source: Rabbit	UNIPROT ID: P05532-1	Recommended Dilutions: FC: 0.25 ug per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: kit oncogene	Excitation/Emission maxima wavelengths: -
Immunogen Catalog Number: EG0883	Calculated MW: 109 kDa	

Applications

Tested Applications: FC, ELISA	Positive Controls: FC : mouse bone marrow cells,
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).

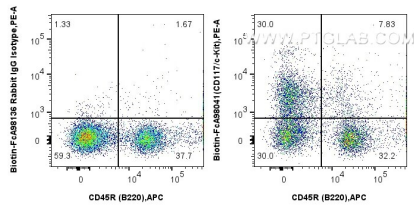
Storage

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

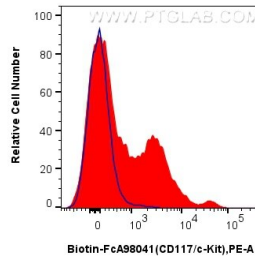
For technical support and original validation data for this product please contact:
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ mouse bone marrow cells were surface stained with APC Anti-Mouse CD45R, and 0.25 ug Biotin Anti-Mouse CD117/c-Kit Rabbit RecAb (Biotin-FcA98041, Clone: 240246C11) or FcZero-rAb™ Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9), and Streptavidin-PE Conjugate (PE-PF00030). Cells were not fixed.



1x10⁶ mouse bone marrow cells were surface stained with 0.25 ug Biotin Anti-Mouse CD117/c-Kit Rabbit RecAb (Biotin-FcA98041, Clone: 240246C11) (red) or FcZero-rAb™ Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9) (blue), and Streptavidin-PE Conjugate (PE-PF00030). Cells were not fixed.