

For Research Use Only

CoraLite® Plus 647 Anti-Mouse CD117 (c-Kit) (ACK2)



Catalog Number: CL647-65094

Basic Information

Catalog Number: CL647-65094	GenBank Accession Number: BC052457	Purification Method: Affinity purification
Size: 100tests, 5 µl/test	GeneID (NCBI): 16590	CloneNo.: ACK2
Source: Rat	UNIPROT ID: P05532	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
Isotype: IgG2b, kappa	Full Name: kit oncogene	

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 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 0.1% sodium azide and 0.5% BSA, pH 7.3.

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

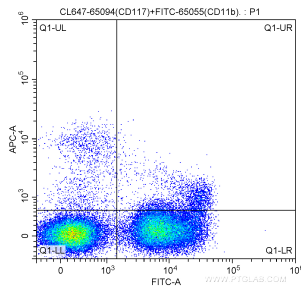
T: 4006900926

E: Proteintech-CN@ptglab.com

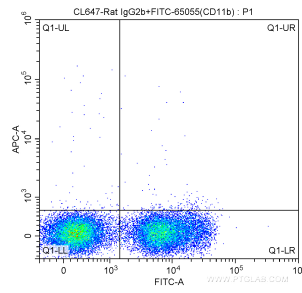
W: ptgcn.com

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Selected Validation Data



1X10⁶ C57BL/6 mouse bone marrow cells were surface stained with FITC-Anti-Mouse CD11b (FITC-65055, Clone: M1/70) and 5.00 ul CoraLite® Plus 647-conjugated Anti-Mouse CD117 (c-Kit) (CL647-65094, Clone: ACK2). Cells were not fixed.



1X10⁶ C57BL/6 mouse bone marrow cells were surface stained with FITC-Anti-Mouse CD11b (FITC-65055, Clone: M1/70) and CoraLite® Plus 647-conjugated Rat IgG2b isotype control antibody. Cells were not fixed.