

For Research Use Only

APC Anti-Mouse CD117 (c-Kit) (ACK2)



Catalog Number: APC-65094

Basic Information

Catalog Number: APC-65094	GenBank Accession Number: BC052457	Purification Method: Affinity purification
Size: 100ug, 0.2 mg/ml	GeneID (NCBI): 16590	CloneNo.: ACK2
Source: Rat	Full Name: kit oncogene	Excitation/Emission maxima wavelengths: 650 nm / 660 nm
Isotype: IgG2b, kappa		

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

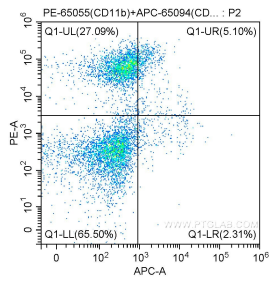
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:
Phosphate based buffer with 0.09% sodium azide and 0.1% gelatin, pH 7.2.

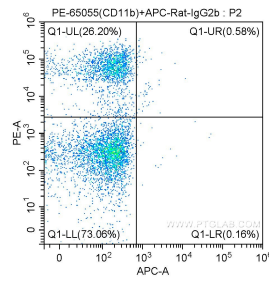
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
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Selected Validation Data



1X10⁶ C57BL/6 mouse bone marrow cells were surface stained with 0.20 ug PE-Anti-Mouse CD11b (PE-65055, clone M1/70) and 0.20 ug APC-Anti-Mouse CD117 (c-Kit) (APC-65094, clone ACK2). Cells were not fixed.



1X10⁶ C57BL/6 mouse bone marrow cells were surface stained with 0.20 ug PE-Anti-Mouse CD11b (PE-65055, clone M1/70) and 0.20 ug APC-Rat IgG2b isotype control. Cells were not fixed.