

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

Catalog Number: PE-65094

Basic Information

Catalog Number:

PE-65094

Size:

100ug, 0.2 mg/ml

Source:

Rat

Isotype:

IgG2b, kappa

GenBank Accession Number:

BC052457

GeneID (NCBI):

16590

UNIPROT ID:

P05532

Full Name:

kit oncogene

Purification Method:

Affinity purification

CloneNo.:

ACK2

Excitation/Emission maxima wavelengths:

496 nm, 565 nm / 578 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, 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

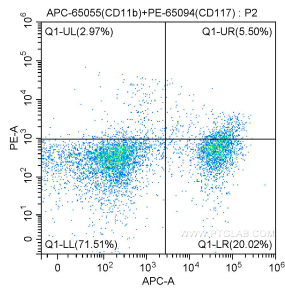
Storage:

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

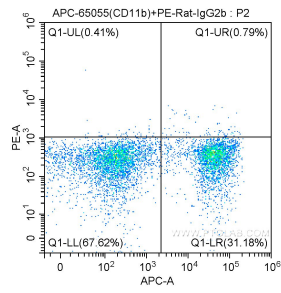
Storage Buffer:

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

Selected Validation Data



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



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