

PE Anti-Human CD117 (104D2)

Catalog Number: **PE-65154**

Basic Information

Catalog Number:

PE-65154

Size:

100 tests, 20 µl/test

Source:

Mouse

Isotype:

IgG1, kappa

GenBank Accession Number:

BC071593

GeneID (NCBI):

3815

Full Name:

v-kit Hardy-Zuckerman 4 feline
sarcoma viral oncogene homolog

Calculated MW:

976 aa, 110 kDa

Purification Method:

The purified antibody is conjugated
with R-phycoerythrin (PE) under
optimum conditions. The conjugate is
purified by size-exclusion
chromatography.

CloneNo.:

104D2

**Excitation/Emission maxima
wavelengths:**

496 nm, 565 nm / 578 nm

Applications

Tested Applications:

FC

Species Specificity:

Human, Bovine

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

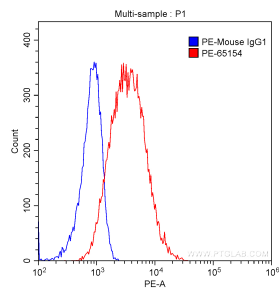
Storage:

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

Storage Buffer:

PBS with 0.1% sodium azide.

Selected Validation Data



1X10⁶ TF-1 cells were surface stained with 20.00 ul/test PE Anti-Human CD117 (PE-65154, Clone:104D2) (red) or isotype control antibody (blue). Cells were not fixed.