For Research Use Only

Anti-Human CD117/c-Kit (104D2)

Catalog Number:65154-1-Ig

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Basic Information

Catalog Number:
65154-1-Ig

Concentration:
100ug, 1 mg/ml

Source:
Mouse

Isotype:
IgG1, kappa

GenBank Accession Number:
BC071593

GeneID (NCBI):
3815

UNIPROT ID:
P10721

Full Name:
v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog

Calculated MW:
976 aa, 110 kDa

Purification Method:
Purified by protein-A affinity chromatography

CloneNo.:
104D2

Recommended Dilutions:
FC: 1.5 ug per 10^6 cells in 100 μl suspension

Applications

Tested Applications:
FC

Species Specificity:
human, bovine

Positive Controls:

FC : TF-1 cells,

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. 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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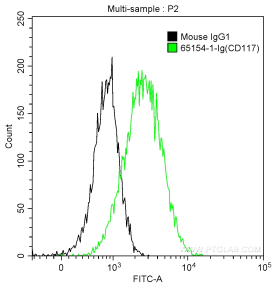
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10^6 TF-1 cells were surface stained with 1.5 ug Anti-Human CD117 (65154-1-Ig, Clone:104D2) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (green), or stained with 1.5 ug Mouse IgG1 Isotype Control Antibody and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (black). Cells were not fixed.