

For Research Use Only

# CD117/c-Kit Recombinant antibody, PBS Only (Detector)

Catalog Number: 84259-2-PBS



## Basic Information

Catalog Number:

84259-2-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

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:

Protein A purification

CloneNo.:

241313B1

## Applications

Tested Applications:

Cytometric bead array, Indirect ELISA

Species Specificity:

human

## 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  $\beta$ , PDGFR  $\alpha$ , 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 hemopoiesis. It is also involved in pigmentation, fertility, gut movement, and some aspects of the nervous system (PMID: 23073628).

## Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

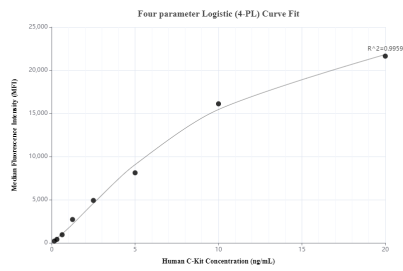
T: 4006900926

E: Proteintech-CN@ptglab.com

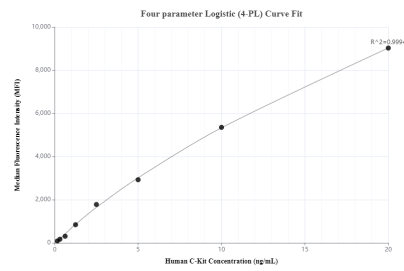
W: ptgcn.com

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# Selected Validation Data



Cytometric bead array standard curve of MP01171-1, CD117/c-Kit Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84259-3-PBS. Detection antibody: 84259-2-PBS. Standard: RP02323. Range: 0.156-20 ng/mL



Cytometric bead array standard curve of MP01171-3, CD117/c-Kit Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84259-1-PBS. Detection antibody: 84259-2-PBS. Standard: RP02323. Range: 0.156-20 ng/mL