

For Research Use Only

# CD117/c-Kit Recombinant antibody

Catalog Number: 83419-4-RR



## Basic Information

Catalog Number:

83419-4-RR

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_001122733.1

GeneID (NCBI):

16590

UNIPROT ID:

P05532-1

Full Name:

kit oncogene

Calculated MW:

109 kDa

Observed MW:

125 kDa

Purification Method:

Protein A purification

CloneNo.:

240246B1

Recommended Dilutions:

WB 1:5000-1:50000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

Mouse

Positive Controls:

WB : MC/9 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, 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 -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

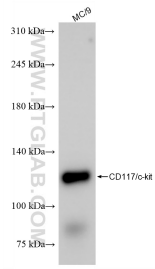
T: 4006900926

E: Proteintech-CN@ptglab.com

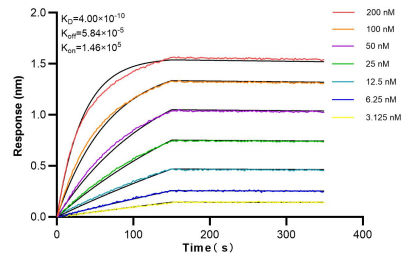
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## Selected Validation Data



MC/9 cells were subjected to SDS PAGE followed by western blot with 83419-4-RR (CD117/c-kit antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 83419-4-RR against Mouse CD117/c-Kit were performed. The affinity constant is 0.4 nM.