

For Research Use Only

CD117/c-Kit Recombinant antibody

Catalog Number:83419-4-RR



Basic Information

Catalog Number: 83419-4-RR	GenBank Accession Number: NM_001122733.1	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 16590	CloneNo.: 240246B1
Source: Rabbit	UNIPROT ID: P05532-1	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: kit oncogene	
	Calculated MW: 109 kDa	
	Observed MW: 125 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : MC/9 cells,
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 -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

*** 20ul sizes contain 0.1% BSA

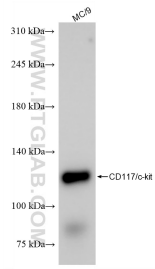
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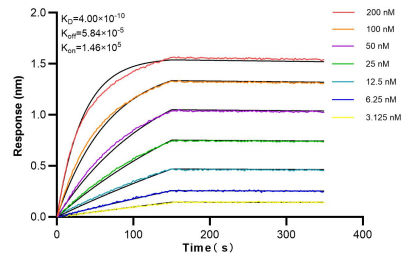
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Selected Validation Data



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.