

For Research Use Only

MERTK Recombinant monoclonal antibody

Catalog Number: 84156-3-RR



Basic Information

Catalog Number: 84156-3-RR	GenBank Accession Number: NM_006343.3	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 10461	CloneNo.: 251632G8
Source: Rabbit	UNIPROT ID: Q12866	Recommended Dilutions: WB: 1:5000-1:50000
Isotype: IgG	Full Name: c-mer proto-oncogene tyrosine kinase	
Immunogen Catalog Number: EG4663	Calculated MW: 110 kDa	
	Observed MW: 160-210 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HEK-293T cells, HepG2 cells, U-937 cells, U-251 cells
Species Specificity: human	

Background Information

MerTK (Mer tyrosine kinase), also known as RP38, c-Eyk, c-mer, and Tyro12, was first cloned from a human B lymphoblastoid expression library (PMID:8086340) and is one of the TAM (Tyro-3, Axl, and MerTK) receptor tyrosine kinase (RTK) family (PMID:23833304). Although this RTK, like others, can promote tumor cell proliferation to some extent, MERTK primarily lends tumor cells crucial survival advantages while promoting invasion, migration and metastasis, drug resistance, and, in the innate immune system, suppressing anti-tumor immunity (PMID:32417270). The multiple MERTK species observed are likely due to posttranslational modifications (PMID: 23585477).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

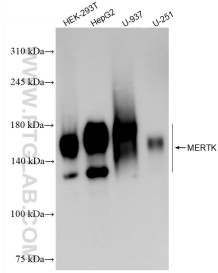
For technical support and original validation data for this product please contact:

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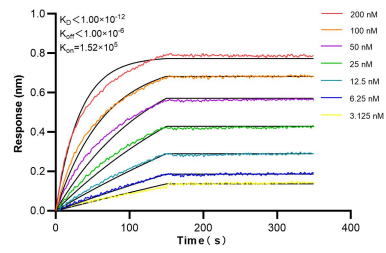
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84156-3-RR (MERTK antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 84156-3-RR against Human MERTK were performed. The affinity constant is below 1 pM.