

For Research Use Only

MERTK Recombinant antibody, PBS Only (Capture/Detector)

Catalog Number: 84156-2-PBS



Basic Information

Catalog Number: 84156-2-PBS	GenBank Accession Number: BC114918	Purification Method: Protein A purification
Concentration: 1 mg/ml	GeneID (NCBI): 10461	CloneNo.: 241252H3
Source: Rabbit	UNIPROT ID: Q12866	
Isotype: IgG	Full Name: c-mer proto-oncogene tyrosine kinase	
Immunogen Catalog Number: AG27540	Calculated MW: 999 aa, 110 kDa	
	Observed MW: 160-180 kDa	

Applications

Tested Applications:
WB, IHC, Cytometric bead array, Sandwich ELISA,
Indirect ELISA, Sample test

Species Specificity:
human, mouse

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 -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:

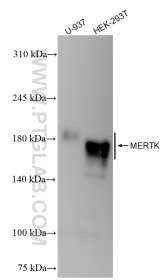
T: 4006900926

E: Proteintech-CN@ptglab.com

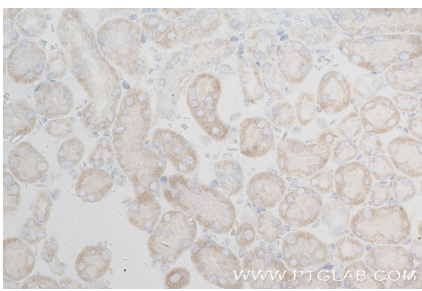
W: ptgcn.com

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

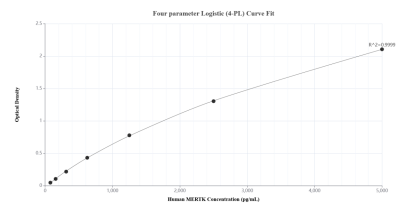
Selected Validation Data



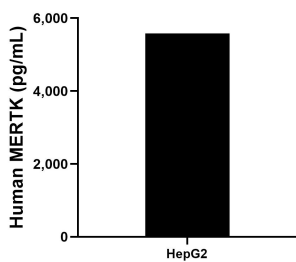
Various lysates were subjected to SDS PAGE followed by western blot with 84156-2-RR (MERTK antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84156-2-PBS in a different storage buffer formulation.



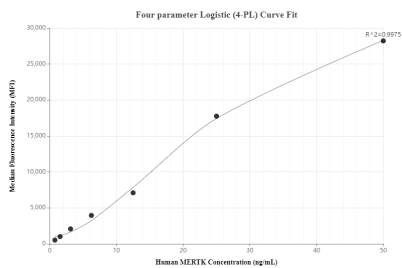
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 84156-2-RR (MERTK antibody) at dilution of 1:250 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 84156-2-PBS in a different storage buffer formulation.



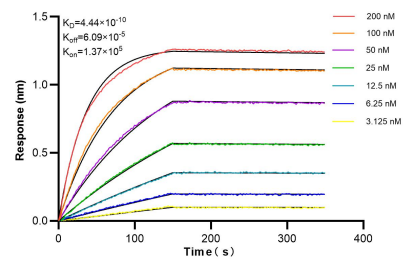
Sandwich ELISA standard curve of MP01061-2, Human MERTK Recombinant Matched Antibody Pair - PBS only. 84156-2-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag27540. 84156-1-PBS was HRP conjugated as the detection antibody. Range: 78.1-5000 pg/mL.



The mean MERTK concentration was determined to be 5,583.9 pg/mL in HepG2 cell extract based on a 2.3 mg/mL extract load.



Cytometric bead array standard curve of MP01061-1, MERTK Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84156-1-PBS. Detection antibody: 84156-2-PBS. Standard: Ag27540. Range: 0.781-50 ng/mL.



Bi-layer interferometry (BLI) kinetic assays of 84156-2-RR against Human MERTK were performed. The affinity constant is 0.444 nM.