

For Research Use Only

# MERTK Recombinant monoclonal antibody, PBS Only

Catalog Number: 84156-3-PBS



## Basic Information

<b>Catalog Number:</b> 84156-3-PBS	<b>GenBank Accession Number:</b> NM_006343.3	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 10461	<b>CloneNo.:</b> 251632G8
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q12866	
<b>Isotype:</b> IgG	<b>Full Name:</b> c-mer proto-oncogene tyrosine kinase	
<b>Immunogen Catalog Number:</b> EG4663	<b>Calculated MW:</b> 110 kDa	
	<b>Observed MW:</b> 160-210 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**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 -80°C.

**Storage Buffer:**  
PBS only, pH7.3

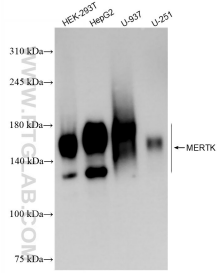
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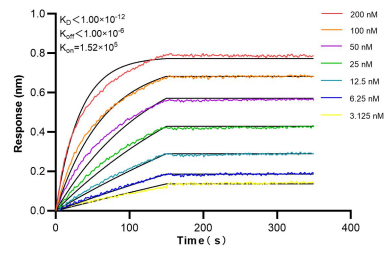
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## Selected Validation Data



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. This data was developed using the same antibody clone with 84156-3-PBS in a different storage buffer formulation.



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