

For Research Use Only

# Mouse Mertk Recombinant monoclonal antibody, PBS Only (Capture)

Catalog Number: 87457-2-PBS



## Basic Information

<b>Catalog Number:</b> 87457-2-PBS	<b>GenBank Accession Number:</b> NM_008587.2	<b>Purification Method:</b> Protein A purification
<b>Source:</b> Rabbit	<b>GeneID (NCBI):</b> 17289	<b>CloneNo.:</b> 250615D7
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> Q60805	
<b>Immunogen Catalog Number:</b> EG2866	<b>Full Name:</b> c-mer proto-oncogene tyrosine kinase	
	<b>Calculated MW:</b> 110 kDa	
	<b>Observed MW:</b> 110 kDa	

## Applications

**Tested Applications:**  
WB, Cytometric bead array, Indirect ELISA

**Species Specificity:**  
mouse, rat

## Background Information

Mertk is predominantly expressed in macrophages, dendritic cells, microglia, and retinal pigment epithelial cells, where it functions as a key regulator of efferocytosis, immune tolerance, and tissue homeostasis. Genetic ablation of Mertk leads to defective apoptotic cell clearance, chronic inflammation, and retinal degeneration, establishing Mertk as a central TAM receptor in innate immune regulation and tissue maintenance.

## 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, pH7.3

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

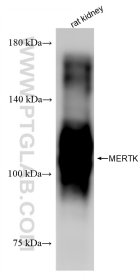
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

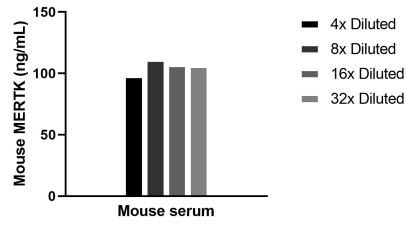
W: [ptgcn.com](http://ptgcn.com)

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

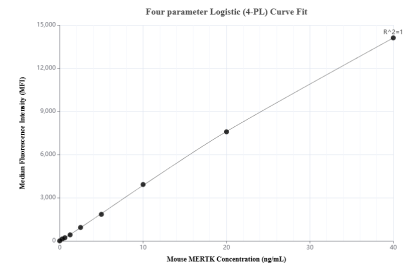
## Selected Validation Data



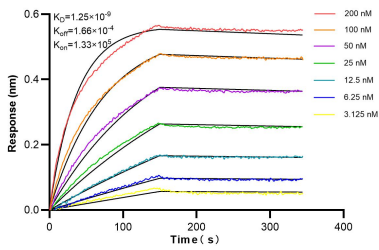
rat kidney tissue were subjected to SDS PAGE followed by western blot with 87457-2-RR (Mertk antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87457-2-PBS in a different storage buffer formulation.



The mean MERTK concentration was determined to be 105.3 ng/mL in mouse serum.



Cytometric bead array standard curve of MP03042-1, MOUSE MERTK Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 87457-2-PBS. Detection antibody: 87457-3-PBS. Standard: Eg2866. Range: 0.312-40 ng/mL



Biolayer interferometry (BLI) kinetic assays of 87457-2-RR against Mouse Mertk were performed. The affinity constant is 1.25 nM.