

For Research Use Only

Mertk Recombinant monoclonal antibody

Catalog Number: 87457-2-RR



Basic Information

Catalog Number: 87457-2-RR	GenBank Accession Number: NM_008587.2	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 17289	CloneNo.: 250615D7
Isotype: IgG	UNIPROT ID: Q60805	Recommended Dilutions: WB: 1:1000-1:6000
Immunogen Catalog Number: EG2866	Full Name: c-mer proto-oncogene tyrosine kinase	
	Calculated MW: 110 kDa	
	Observed MW: 110 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : rat kidney tissue,
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 -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

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

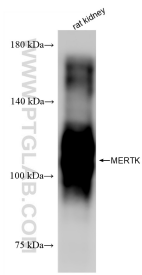
T: 4006900926

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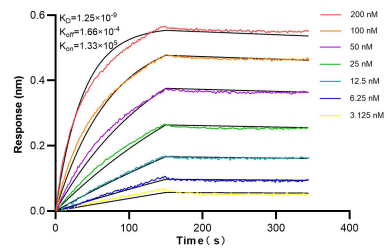
W: ptgcn.com

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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.



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