

For Research Use Only

Mouse Mertk Recombinant monoclonal antibody, PBS Only (Capture)

Catalog Number: 87457-2-PBS



Basic Information

Catalog Number: 87457-2-PBS	GenBank Accession Number: NM_008587.2	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 17289	CloneNo.: 250615D7
Source: Rabbit	UNIPROT ID: Q60805	
Isotype: IgG	Full Name: c-mer proto-oncogene tyrosine kinase	
Immunogen Catalog Number: EG2866	Calculated MW: 110 kDa	
	Observed MW: 110 kDa	

Applications

Tested Applications:
WB, Cytometric bead array, Indirect ELISA

Species Specificity:
mouse, rat

Product Information

87457-2-PBS targets Mertk as part of a matched antibody pair:

MP03042-1: 87457-2-PBS capture and 87457-3-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

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

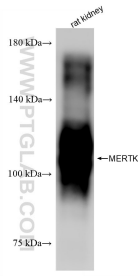
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

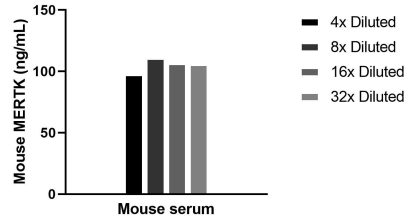
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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

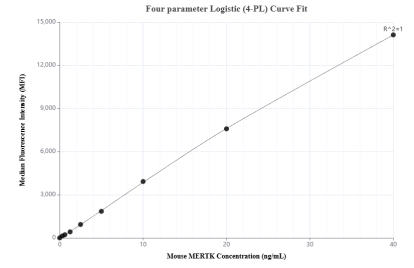
Selected Validation Data



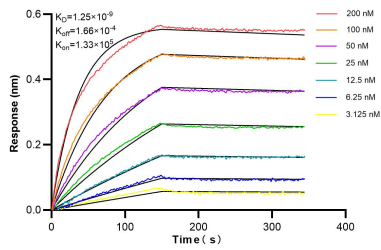
rat kidney tissue were subjected to SDS PAGE followed by western blot with 87457-2-RR (Mertk antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87457-2-PBS in a different storage buffer formulation.



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.