

MERTK Rabbit pAb

MERTK Rabbit pAb
Catalog # AP94184

Product Information

Application	WB
Reactivity	Mouse
Predicted	Rat
Host	Rabbit
Clonality	Polyclonal
Physical State	Liquid
Immunogen	Recombinant mouse MERTK protein
Epitope Specificity	23-497/994
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Membrane; Single-pass type I membrane protein.
DISEASE	Defects in MERTK are the cause of retinitis pigmentosa type 38 (RP38) [MIM:613862]. RP38 is a retinal dystrophy belonging to the group of pigmentary retinopathies. Retinitis pigmentosa is characterized by retinal pigment deposits visible on fundus examination and primary loss of rod photoreceptor cells followed by secondary loss of cone photoreceptors. Patients typically have night vision blindness and loss of midperipheral visual field. As their condition progresses, they lose their far peripheral visual field and eventually central vision as well.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The Major Facilitator Superfamily (MFS) is a large and diverse group of secondary transporters that includes uniporters, symporters, and antiporters. MFS proteins facilitate the transport across cytoplasmic or internal membranes of a variety of substrates including ions, sugar phosphates, drugs, neurotransmitters, nucleosides, amino acids, and peptides. They do so using the electrochemical potential of the transported substrates. Uniporters transport a single substrate, while symporters and antiporters transport two substrates in the same or in opposite directions, respectively, across membranes. Peptide-transporters 2 [solute carrier family 15 (H ⁺ /peptide transporter), member 2; SLC15A2; PEPT2 ; Oligopeptide transporter, kidney isoform ; Kidney H ⁽⁺⁾ /peptide cotransporter;].

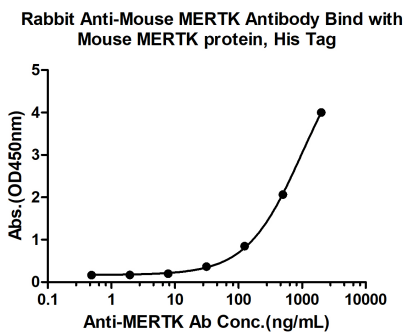
Additional Information

Dilution	WB=1:500-2000,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

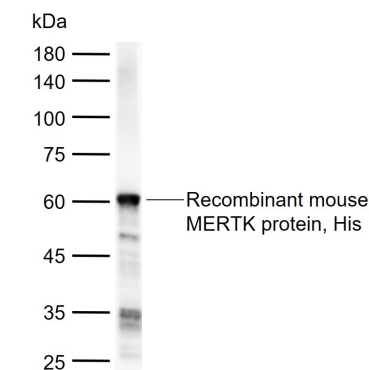
Background

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

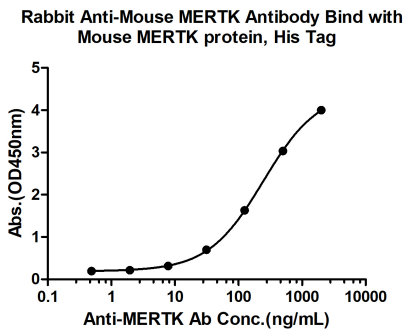
Images



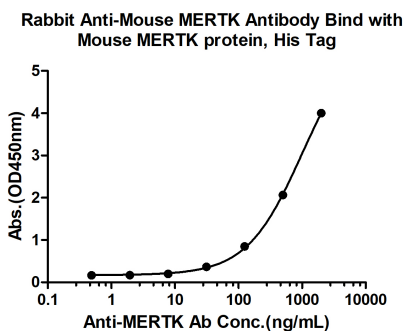
Measured by its binding ability in a indirect ELISA. Immobilized Mouse MERTK protein, His Tag (Cat. AP94184) at 2 µg/mL (100 µL/well) can bind Rabbit Anti-Mouse MERTK Antibody, the EC50 is 992.7 ng/mL.



Sample:
Lane 1: Recombinant mouse MERTK protein, His
Primary: Anti-MERTK (AP94184) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: kDa
Observed band size: 60 kDa



Measured by its binding ability in a indirect ELISA. Immobilized Mouse MERTK protein, His Tag (Cat. bs-41398P) at 2 µg/mL (100 µL/well) can bind Rabbit Anti-Mouse MERTK Antibody, the EC50 is 246.3 ng/mL.



Measured by its binding ability in a indirect ELISA. Immobilized Mouse MERTK protein, His Tag (Cat. bs-41398P) at 2 µg/mL (100 µL/well) can bind Rabbit Anti-Mouse MERTK Antibody, the EC50 is 992.7 ng/mL.