MERTK Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Mertk, Polyclonal Antibody
Full Product Name	Mertk (Tyrosine-Protein Kinase Mer, Proto-Oncogene c-Mer, Receptor Tyrosine Kinase MerTK, Mertk, Mer) (MaxLight 550)
Product Gene Name	anti-Mertk antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Mouse, Rat
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight550.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes Mertk. Species Crossreactivity: mouse, rat
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight550 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
3D Structure	ModBase 3D Structure for Q60805
Immunogen	KLH conjugated synthetic peptide corresponding to aa946-980 at the C-terminal region of mouse Mertk.
Conjugate	MaxLight550
Note	Preservative Free
Product Categories/Family for anti-Mertk antibody	Antibodies; Tyrosine Kinases
Applications Tested/Suitable for anti-Mertk antibody	Western Blot (WB)
Application Notes for anti-Mertk antibody	WB: 1:2000 Applications are based on unconjugated antibody.
Related Product Information for anti-Mertk antibody	MBS6457236 is an antibody targeting Mertk. Also known as Mertk (Tyrosine-Protein Kinase Mer, Proto-Oncogene c-Mer, Receptor Tyrosine Kinase MerTK, Mertk, Mer) (MaxLight 550). Reactive in Mouse, Rat. Host: Rabbit.
Product References and Citations for anti-Mertk antibody	Graham D.K., et al. Oncogene 10:2349-2359(1995). Dowds C.A., et al. Submitted (JAN-1996) to the EMBL/GenBank/DDBJ databases. Lu Q., et al. Nature 398:723-728(1999). Georgescu M.M., et al. Mol. Cell. Biol. 19:1171-1181(1999). Behrens E.M., et al. Eur. J. Immunol. 33:2160-2167(2003).
Other Notes	Small volumes of anti-Mertk antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Mertk. It may not necessarily be applicable to this product.

NCBI GI #	12643780

NCBI GeneID	17289
NCBI Accession #	Q60805.1
UniProt Primary Accession #	Q60805
UniProt Related Accession #	Q60805
NCBI Official Full Name	Tyrosine-protein kinase Mer
NCBI Official Synonym Full Names	MER proto-oncogene tyrosine kinase
NCBI Official Symbol	Mertk
NCBI Official Synonym Symbols	Eyk; Mer; Nyk; nmf12
UniProt Protein Name	Tyrosine-protein kinase Mer
UniProt Synonym Protein Names	Proto-oncogene c-Mer; Receptor tyrosine kinase MerTK
Protein Family	Tyrosine-protein kinase
UniProt Gene Name	Mertk
UniProt Synonym Gene Names	Mer
UniProt Entry Name	MERTK_MOUSE
NCBI Protein Information	tyrosine-protein kinase Mer
UniProt Comments for Mertk	Mer: a proto-oncogene receptor tyrosine-protein kinase of the Axl family. Binds several ligands including LGALS3, Tubby, TULP1 or GAS6. Regulates many physiological processes including cell survival, migration, differentiation, and phagocytosis of apoptotic cells (efferocytosis). Functions in the retinal pigment epithelium (RPE) as a regulator of rod outer segments fragments phagocytosis. Plays also an important role in inhibition of Toll-like receptors (TLRs)-mediated innate immune response by activating STAT1, which selectively induces production of suppressors of cytokine signaling SOCS1 and SOCS3 Protein type: EC 2.7.10.1; Protein kinase, tyrosine (receptor); Protein kinase, TK; Oncoprotein; Membrane protein, integral; Kinase, protein; TK group; Axl family Cellular Component: extracellular space; photoreceptor outer segment; membrane; cell; cytoplasm; integral to membrane; intracellular Molecular Function: transferase activity; protein-tyrosine kinase activity; transferase activity, transferring phosphorus-containing groups; nucleotide binding; kinase activity; transmembrane receptor protein tyrosine kinase activity; ATP binding; protein kinase activity Biological Process: negative regulation of lymphocyte activation; platelet activation; vagina development; protein amino acid phosphorylation; phagocytosis; natural killer cell differentiation; retina development in camera-type eye; positive regulation of phagocytosis; protein kinase B signaling cascade; spermatogenesis; phosphorylation; apoptotic cell clearance; secretion by cell
Research Articles on Mertk	**1.** Csf1r or Mer inhibition each reduces Kupffer cell cytokine production and delays Liver regeneration.
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