

Human Mer ELISA Kit | MERTK elisa kit

Human Mer PicoKine ELISA Kit

CATALOG #
AAA45235

REACTIVITY
Human

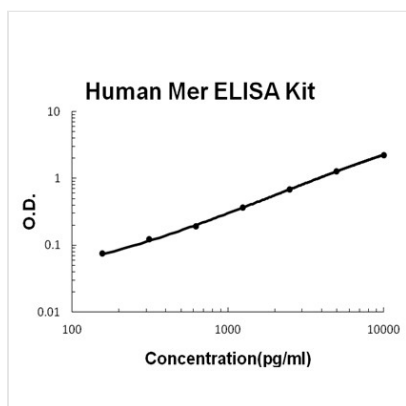
PRODUCT SYNONYMS

Mer; Human Mer PicoKine ELISA Kit; Tyrosine-protein kinase Mer; c-mer proto-oncogene tyrosine kinase; C mer; c mer proto oncogene tyrosine kinase; MER receptor tyrosine kinase; Mertk; MERTK_HUMAN; Proto-oncogene c-Mer; Receptor tyrosine kinase MerTK; RP38; STK kinase; MERTK elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human Mer
Sequence Length	999
Samples	Cell culture supernates, Cell lysates, tissue homogenates and serum
Assay Type	Sandwich
Detection Range	156pg/ml-10,000pg/ml
Sensitivity	< 10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Human Mer PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for MERTK elisa kit

Principle of the assay: human Mer ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for Mer has been precoated onto 96-well plates. Standards(sf21, R26-A499) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for Mer is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the human Mer amount of sample captured in plate.

Background: Proto-oncogene tyrosine-protein kinase MER is an enzyme that in humans is encoded by the MERTK gene. This gene is a member of the MER/AXL/TYRO3 receptor kinase family and encodes a transmembrane protein with two fibronectin type-III domains, two Ig-like C2-type (immunoglobulin-like) domains, and one tyrosine kinase domain. Its gene is mapped to chromosome 2q14.1. Mer encodes a 984-amino acid protein with a calculated molecular mass of 109 kD. It is expressed in numerous neoplastic B- and T-cell lines. Mutations in this gene have been associated with disruption of the retinal pigment epithelium (RPE) phagocytosis pathway and onset of autosomal recessive retinitis pigmentosa (RP)

NCBI AND UNIPROT INFORMATION

NCBI GI #	160332297
NCBI GeneID	10461
UniProt Accession #	Q12866; Q9HBB4
Molecular Weight	110,249 Da
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	MER; RP38; c-mer
NCBI Protein Information	tyrosine-protein kinase Mer; STK kinase; proto-oncogene c-Mer; MER receptor tyrosine kinase; receptor tyrosine kinase MerTK; c-mer proto-oncogene tyrosine kinase
UniProt Protein Name	Tyrosine-protein kinase Mer
UniProt Gene Name	MERTK
UniProt Synonym Gene Names	MER
UniProt Entry Name	MERTK_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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