

Human MERTK ELISA Kit | MERTK elisa kit

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CATALOG # AAA105969	REACTIVITY Human	APPLICATIONS ELISA
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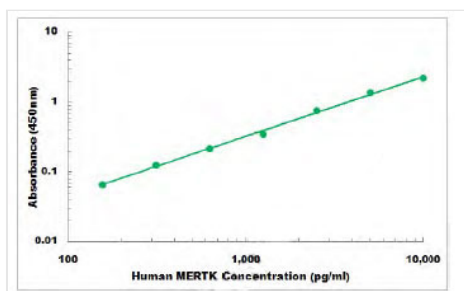
PRODUCT SYNONYMS

MERTK; Human MERTK ELISA Kit; MER; Tyrosine-protein kinase Mer; Proto-oncogene c-Mer; Receptor tyrosine kinase MerTK; MERTK elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human CD13
Sequence Length	999
Samples	Cell Culture Supernates, Cell Lysates, Serum And Plasma (Heparin, Edta)
Assay Type	Sandwich
Detection Range	312pg/ml-20000pg/ml
Sensitivity	< 10pg/ml
Applicable Applications for MERTK elisa kit	ELISA (Sandwich ELISA)
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	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MERTK elisa kit	Principle of the Assay: The human CD13 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for CD13 has been precoated onto 96-well plates. Standards (Expression system for standard: NSO, Immunogen sequence: K69-K967) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for CD13 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 CD13 amount of sample captured in plate!!Background/Introduction: Alanine aminopeptidase, also known as ANPEP or CD13. is an enzyme that is used as a biomarker to detect damage to the kidneys, and that may be used to help identify certain kidney disorders. It is mapped to 15q26.1. Aminopeptidase N is located in the small-intestinal and renal microvillar membrane, and also in other plasma membranes. In the small intestine, Aminopeptidase N plays a role in the final digestion of peptides generated from hydrolysis of proteins by gastric and pancreatic proteases, and it is also thought to be involved in the metabolism of regulatory peptides by diverse cell types, including small intestinal and renal tubular epithelial cells, macrophages, granulocytes, and synaptic membranes from the CNS. Petrovic et al showed that CD13 was required for endothelial cell invasion in response to bradykinin. Inhibition of CD13 abrogated internalization of bradykinin receptor B2 and reduced endothelial cell motility.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	66932918
NCBI GeneID	10461
NCBI Accession #	NP_006334.2
NCBI GenBank Nucleotide #	NM_006343.2
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-Eyk; c-mer; Tyro12
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.