

Mouse TEK/TIE2 ELISA Kit | TEK elisa kit

Mouse TEK/TIE2 PicoKine ELISA Kit

CATALOG #
AAA45844

REACTIVITY
Mouse

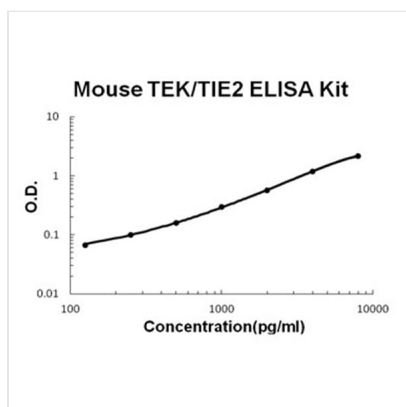
PRODUCT SYNONYMS

TEK/TIE2; Mouse TEK/TIE2 PicoKine ELISA Kit; Angiopoietin-1 receptor; TEK tyrosine kinase; endothelial; CD202b; CD202b antigen; EC 2.7.10.1; hTIE2; p140 TEK; soluble TIE2; variant 1; soluble TIE2 variant 2; Tek; TIE 2; TIE2_HUMAN; Tunica interna endothelial cell kinase; Tyrosine-protein kinase receptor TEK; Tyrosine-protein kinase receptor TIE 2; Tyrosine-protein kinase receptor TIE-2; venous malformations; multiple cutaneous and mucosal; VMCM; VMCM1; HYK; STK1; TEK elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse TEK
Sequence Length	1122
Samples	Cell culture supernates, tissue homogenates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	125pg/ml-8000pg/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)

Mouse TEK/TIE2 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for TEK elisa kit	Principle of the assay: mouse TEK ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. Monoclonal antibody from rat specific for TEK has been precoated onto 96-well plates. Standards(NSO, A23-K744) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for TEK 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 mouse TEK amount of sample captured in plate. Background: Angiopoietin-1 receptor, also called TEK or TIE2 is a protein that in humans is encoded by the TEK gene. This gene is mapped to 9p21.2. The TEK receptor tyrosine kinase is expressed almost exclusively in endothelial cells in mice, rats, and humans. This receptor possesses a unique extracellular domain containing 2 immunoglobulin-like loops separated by 3 epidermal growth factor-like repeats that are connected to 3 fibronectin type III-like repeats. The ligand for the receptor is angiopoietin-1. Defects in TEK are associated with inherited venous malformations, the TEK signaling pathway appears to be critical for endothelial cell-smooth muscle cell communication in venous morphogenesis. TEK is closely related to the TIE receptor tyrosine kinase.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	730947
NCBI GeneID	21687
UniProt Accession #	Q02858
Molecular Weight	125,701 Da
NCBI Official Full Name	Angiopoietin-1 receptor
NCBI Official Synonym Full Names	endothelial-specific receptor tyrosine kinase
NCBI Official Symbol	Tek
NCBI Official Synonym Symbols	Hyk; STK1; Tie2; Tie-2; Cd202b; AA517024
NCBI Protein Information	angiopoietin-1 receptor; p140 TEK; endothelial tyrosine kinase; tyrosine-protein kinase receptor TEK; tunica interna endothelial cell kinase; tyrosine-protein kinase receptor TIE-2; tyrosine kinase with Ig and EGF homology domains-2
UniProt Protein Name	Angiopoietin-1 receptor
UniProt Gene Name	Tek
UniProt Synonym Gene Names	Hyk; Tie-2; Tie2; mTIE2
UniProt Entry Name	TIE2_MOUSE

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.