

Human Tyrosine-Protein Kinase Receptor Tie-1, TIE1 ELISA Kit | TIE1 elisa kit

Human Tyrosine-Protein Kinase Receptor Tie-1, TIE1 Primacu ELISA Kit

CATALOG #
AAA124141

REACTIVITY
Human

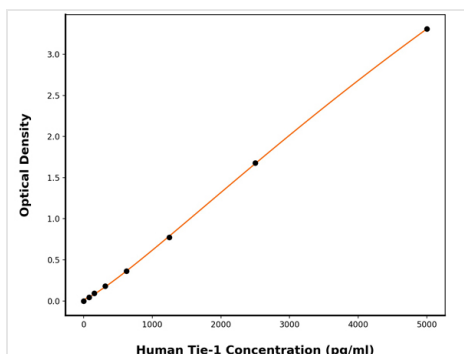
PRODUCT SYNONYMS

Tyrosine-Protein Kinase Receptor Tie-1; TIE1; Human Tyrosine-Protein Kinase Receptor Tie-1; TIE1 Primacu ELISA Kit; Tyrosine-protein kinase receptor Tie-1; Tie-1; TIE; TIE1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernates
Detection Range	78.13-5000pg/mL
Sensitivity	22.2pg/mL
Standard Solution	50ng/mL
Assay Time	3.5h
Preparation and Storage	Store at 2-8 degree C

IMAGES



Standard Curve (Sample)

Typical Testing Data/Standard Curve (for reference only)

ADDITIONAL INFORMATION

Related Product Information for TIE1 elisa kit	Tyrosine kinase with immunoglobulin-like and EGF-like domains 1 also known as Tie1 is an angiopoietin receptor and is an orphan receptor tyrosine kinase that is expressed almost exclusively in endothelial cells and that is required for normal embryonic vascular development. The receptor tyrosine kinase Tie1 is expressed primarily in vascular endothelial cells. The receptor has also been detected in epithelial tumours in breast, thyroid and gastric cancers and in tumour cell lines where it appears as a 45 kDa truncated receptor fragment. Tie1 promotes endothelial cell survival, but other studies have suggested that the Tie1 kinase has little to no activity. Embryos deficient in Tie1 failed to establish structural integrity of vascular endothelial cells, resulting in oedema and subsequently localized haemorrhage. Tie1 is significantly higher in human aortic endothelial cells than in human umbilical vein endothelial cells. Additionally, attachment of cells of monocytic lineage to endothelial cells is also enhanced by Tie1 expression. Collectively Tie1 has a proinflammatory property and may play a role in endothelial inflammatory diseases such as atherosclerosis.
Product Categories/Family for TIE1 elisa kit	Primacu ELISA Kit; Cardiovascular; Developmental biology; Signal transduction; Stem cells; Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885631
NCBI GeneID	7075
NCBI Accession #	NP_005415.1
NCBI GenBank Nucleotide #	NM_005424.4
UniProt Accession #	P35590
Molecular Weight	125,090 Da
NCBI Official Full Name	tyrosine-protein kinase receptor Tie-1 isoform 1
NCBI Official Synonym Full Names	tyrosine kinase with immunoglobulin-like and EGF-like domains 1
NCBI Official Symbol	TIE1
NCBI Official Synonym Symbols	TIE; JTK14
NCBI Protein Information	tyrosine-protein kinase receptor Tie-1; tyrosine kinase with immunoglobulin and epidermal growth factor homology domains 1
UniProt Protein Name	Tyrosine-protein kinase receptor Tie-1
UniProt Gene Name	TIE1
UniProt Synonym Gene Names	TIE
UniProt Entry Name	TIE1_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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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/tyrosine-protein-kinase-receptor-tie-1-tie1/124141>