

Human tyrosine kinase with immunoglobulin-like and EGF-like domains 1 ELISA Kit | TIE1 elisa kit

Human tyrosine kinase with immunoglobulin-like and EGF-like domains 1, Tie-1 ELISA Kit

CATALOG #
AAA79964

REACTIVITY
Human

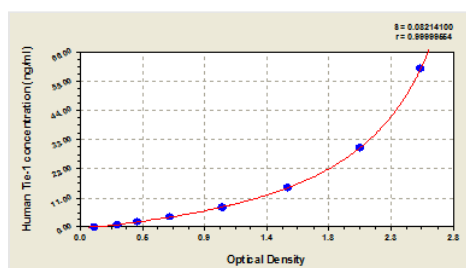
PRODUCT SYNONYMS

tyrosine kinase with immunoglobulin-like and EGF-like domains 1; Human tyrosine kinase with immunoglobulin-like and EGF-like domains 1; Tie-1 ELISA Kit; Tie-1 ELISA kit; RP11-282K6.6; JTK14; TIE; receptor tyrosine kinase; soluble TIE1 variant 1; soluble TIE1 variant 2; soluble TIE1 variant 3; soluble TIE1 variant 4; soluble TIE1 variant 5; tyrosine kinase with immunoglobulin-like and EGF-like domains 1; Tie-1 ELISA Kit; Tie-1 ELISA kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human Tie-1. No significant cross-reactivity or interference between human Tie-1 and analogues was observed.
Sequence Length	1138
Samples	Serum, plasma, tissue homogenates
Assay Type	Sandwich
Detection Range	0.94 ng/ml -60 ng/ml.
Sensitivity	The minimum detectable dose of human Tie-1 is typically less than 0.23 ng/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TIE1 elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for Tie-1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any Tie-1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for Tie-1 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of Tie-1 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4885631
NCBI GeneID	7075
NCBI Accession #	NP_005415.1
NCBI GenBank Nucleotide #	NM_005424.4
UniProt Accession #	P35590; B5A949; B5A950
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/tie1-human-elisa-kits/tyrosine-kinase-with-immunoglobulin-like-and-egf-like-domains-1/79964>