

Bovine Tyrosine Kinase With Immunoglobulin Like And EGF Like Domains Protein 1 (Tie1) ELISA Kit | Tie1 elisa kit

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CATALOG # AAA68215	REACTIVITY Bovine
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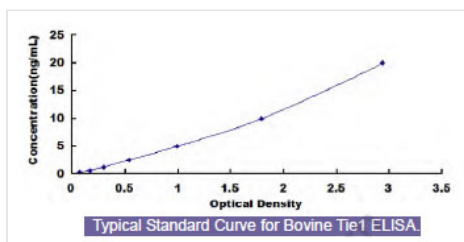
PRODUCT SYNONYMS

Tyrosine Kinase With Immunoglobulin Like And EGF Like Domains Protein 1 (Tie1); Bovine Tyrosine Kinase With Immunoglobulin Like And EGF Like Domains Protein 1 (Tie1) ELISA Kit; Tie1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of Tie1. No significant cross-reactivity or interference between Tie1 and analogues was observed.
Sequence Length	1,136
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Assay Type	Sandwich
Detection Range	31.25-2000ng/mL
Sensitivity	11.32ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Tie1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Tie1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Tie1 elisa kit	Intended Uses: This kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of Tie1 in bovine serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to Tie1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to Tie1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Tie1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of Tie1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	27806793
NCBI GeneID	280941
NCBI Accession #	NP_776390.1
NCBI GenBank Nucleotide #	NM_173965.2
UniProt Accession #	Q06805
Molecular Weight	124,953 Da
NCBI Official Full Name	tyrosine-protein kinase receptor Tie-1
NCBI Official Symbol	TIE1
NCBI Official Synonym Symbols	TIE
NCBI Protein Information	tyrosine-protein kinase receptor Tie-1
UniProt Protein Name	Tyrosine-protein kinase receptor Tie-1
UniProt Gene Name	TIE1
UniProt Synonym Gene Names	TIE; TIE-1

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/bovine-ovine-elisa-kits/tyrosine-kinase-with-immunoglobulin-like-and-egf-like-domains-protein-1-tie1/68215>