

Mouse TEK Tyrosine Kinase, Endothelial ELISA Kit | Tie2 elisa kit

Mouse TEK Tyrosine Kinase, Endothelial ELISA Kit

CATALOG #
AAA85710

REACTIVITY
Mouse

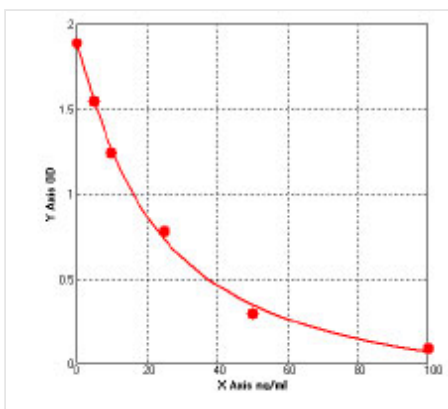
PRODUCT SYNONYMS

TEK Tyrosine Kinase; Endothelial; Mouse TEK Tyrosine Kinase; Endothelial ELISA Kit; Tie2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Tie2. No significant cross-reactivity or interference between Tie2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between Tie2 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive or Sandwich
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
Highest Standards	10 ng/mL
Concentration of Standards	Concentration of Standards
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Tie2 elisa kit	Principle of the Assay: Tie2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-Tie2 antibody and an Tie2-HRP conjugate. The assay sample and buffer are incubated together with Tie2-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the Tie2 concentration since Tie2 from samples and Tie2-HRP conjugate compete for the anti-Tie2 antibody binding site. Since the number of sites is limited, as more sites are occupied by Tie2 from the sample, fewer sites are left to bind Tie2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Tie2 concentration in each sample is interpolated from this standard curve. Intended Uses: This Tie2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse Tie2. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for Tie2 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	56462535
UniProt Accession #	Q02763; Q5TCU2; Q8IV34; A8K6W0; B4DH20; B4DHD3; D3DRK5; E7EWI2
Molecular Weight	109,141 Da
UniProt Protein Name	Angiopoietin-1 receptor
UniProt Gene Name	TEK
UniProt Synonym Gene Names	TIE2; VMCM; VMCM1; hTIE2
UniProt Entry Name	TIE2_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/tie2-mouse-elisa-kits/tek-tyrosine-kinase-endothelial/85710>