

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

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CATALOG #
AAA90324

REACTIVITY
Chicken

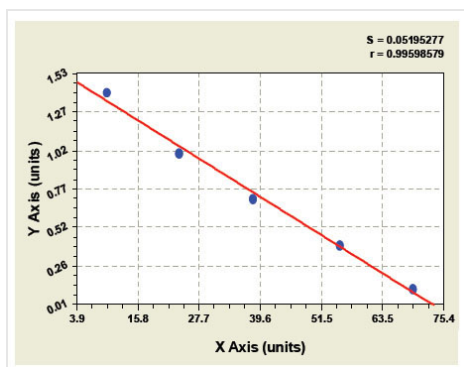
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Tie2 elisa kit

For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate

INTENDED USE This Tie2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken Tie2. This ELISA kit for research use only!

PRINCIPLE OF THE ASSAY Tie2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	56462535
NCBI GeneID	7010
UniProt Accession #	Q02763; Q5TCU2; Q8IV34; A8K6W0; B4DH20; B4DHD3; D3DRK5; E7EWI2; Q59HG2; Q8IXB8
Molecular Weight	125,830 Da
NCBI Official Full Name	TEK tyrosine kinase, endothelial
NCBI Official Synonym Full Names	TEK tyrosine kinase, endothelial
NCBI Official Symbol	TEK
NCBI Official Synonym Symbols	TIE2; VMCM; TIE-2; VMCM1; CD202B
NCBI Protein Information	angiopoietin-1 receptor; hTIE2; p140 TEK; soluble TIE2 variant 1; soluble TIE2 variant 2; 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	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.

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Online datasheet: <https://stage.aaabiotech.com/tie2-chicken-elisa-kits/tek-tyrosine-kinase-endothelial/90324>