

Rat TEK Tyrosine Kinase, Endothelial (Tie2) ELISA Kit | Tie2 elisa kit

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CATALOG #
AAA182956

REACTIVITY
Rat

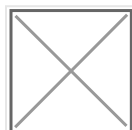
PRODUCT SYNONYMS

TEK Tyrosine Kinase; Endothelial (Tie2); Rat TEK Tyrosine Kinase; Endothelial (Tie2) ELISA Kit; CD202b; CD202-B; TEK; VMCM1; Tyrosine Kinase With Immunoglobulin Like And EGF Like Domains 2; Venous Malformations Multiple Cutaneous And Mucosal; Tie2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of TEK Tyrosine Kinase, Endothelial (Tie2). No significant cross-reactivity or interference between TEK Tyrosine Kinase, Endothelial (Tie2) and analogues was observed.
Sequence Length	1124
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates and Other Biological Fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.135ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level TEK Tyrosine Kinase, Endothelial (Tie2) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level TEK Tyrosine Kinase, Endothelial (Tie2) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Tie2 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to TEK Tyrosine Kinase, Endothelial (Tie2). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to TEK Tyrosine Kinase, Endothelial (Tie2). 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 TEK Tyrosine Kinase, Endothelial (Tie2), 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 TEK Tyrosine Kinase, Endothelial (Tie2) 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 #	112180440
NCBI GeneID	7010
UniProt Accession #	Q02763; Q5TCU2; Q8IV34; A8K6W0; B4DH20; B4DHD3; D3DRK5; E7EWI2
Molecular Weight	109,141 Da
NCBI Official Full Name	TEK tyrosine kinase, endothelial
NCBI Official Synonym Full Names	TEK receptor tyrosine kinase
NCBI Official Symbol	TEK
NCBI Official Synonym Symbols	TIE2; VMCM; GLC3E; TIE-2; VMCM1; CD202B
NCBI Protein Information	angiopoietin-1 receptor
UniProt Protein Name	Angiopoietin-1 receptor
UniProt Gene Name	TEK
UniProt Synonym Gene Names	TIE2; VMCM; VMCM1; hTIE2

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.