

Rat Vascular Endothelial Growth Factor Receptor 2 (VEGFR2) ELISA Kit | VEGFR2 elisa kit

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CATALOG #
AAA184641

REACTIVITY
Rat

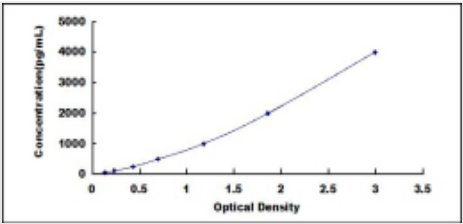
PRODUCT SYNONYMS

Vascular Endothelial Growth Factor Receptor 2 (VEGFR2); Rat Vascular Endothelial Growth Factor Receptor 2 (VEGFR2) ELISA Kit; CD309; FLK1; VEGFR; KDR; A Type III Receptor Tyrosine Kinase; Kinase Insert Domain Receptor; Fetal Liver Kinase-1; VEGFR2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Vascular Endothelial Growth Factor Receptor 2 (VEGFR2). No significant cross-reactivity or interference between Vascular Endothelial Growth Factor Receptor 2 (VEGFR2) and analogues was observed.
Sequence Length	712
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates and Other Biological Fluids
Detection Range	62.5-4000pg/mL
Sensitivity	< 24.7pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Vascular Endothelial Growth Factor Receptor 2 (VEGFR2) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Vascular Endothelial Growth Factor Receptor 2 (VEGFR2) 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 VEGFR2 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 Vascular Endothelial Growth Factor Receptor 2 (VEGFR2). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Vascular Endothelial Growth Factor Receptor 2 (VEGFR2). 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 Vascular Endothelial Growth Factor Receptor 2 (VEGFR2), 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 Vascular Endothelial Growth Factor Receptor 2 (VEGFR2) 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 #	11321597
NCBI GeneID	3791
NCBI Accession #	NP_002244.1
NCBI GenBank Nucleotide #	NM_002253.2
UniProt Accession #	P35968; O60723; Q14178; A2RRS0; B5A925; C5IFA0
Molecular Weight	79,634 Da
NCBI Official Full Name	vascular endothelial growth factor receptor 2
NCBI Official Synonym Full Names	kinase insert domain receptor
NCBI Official Symbol	KDR
NCBI Official Synonym Symbols	FLK1; CD309; VEGFR; VEGFR2
NCBI Protein Information	vascular endothelial growth factor receptor 2
UniProt Protein Name	Vascular endothelial growth factor receptor 2
UniProt Gene Name	KDR
UniProt Synonym Gene Names	FLK1; VEGFR2; VEGFR-2; FLK-1; KDR

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.