

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

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 CATALOG #
AAA93840

 REACTIVITY
Rat

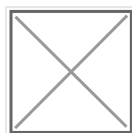
PRODUCT SYNONYMS

Vascular Endothelial Growth Factor Receptor 2; Rat Vascular Endothelial Growth Factor Receptor 2 ELISA Kit; VEGFR2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ng/mL.
Intended Uses	This VEGFR2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat VEGFR2. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for VEGFR2 elisa kit	Principle of the Assay: VEGFR2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-VEGFR2 antibody and an VEGFR2-HRP conjugate. The assay sample and buffer are incubated together with VEGFR2-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 VEGFR2 concentration since VEGFR2 from samples and VEGFR2-HRP conjugate compete for the anti-VEGFR2 antibody binding site. Since the number of sites is limited, as more sites are occupied by VEGFR2 from the sample, fewer sites are left to bind VEGFR2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The VEGFR2 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for VEGFR2 elisa kit	Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	11321597
NCBI GeneID	3791
NCBI Accession #	NP_002244.1

NCBI GenBank Nucleotide #	NM_002253.2
Molecular Weight	79,634 Da
NCBI Official Full Name	vascular endothelial growth factor receptor 2
NCBI Official Synonym Full Names	kinase insert domain receptor (a type III receptor tyrosine kinase)
NCBI Official Symbol	KDR
NCBI Official Synonym Symbols	FLK1; CD309; VEGFR; VEGFR2
NCBI Protein Information	vascular endothelial growth factor receptor 2; soluble VEGFR2; fetal liver kinase 1; fetal liver kinase-1; protein-tyrosine kinase receptor Flk-1; tyrosine kinase growth factor receptor
UniProt Protein Name	Vascular endothelial growth factor receptor 2
UniProt Gene Name	KDR
UniProt Synonym Gene Names	FLK1; VEGFR2; VEGFR-2; FLK-1; KDR
UniProt Entry Name	VGFR2_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/vegfr2-rat-elisa-kits/vascular-endothelial-growth-factor-receptor-2/93840>