

Mouse kinase insert domain receptor (a type III receptor tyrosine kinase) ELISA Kit | KDR elisa kit

Mouse Vascular endothelial cell growth factor receptor 2, VEGFR-2/Flk-1 ELISA Kit

CATALOG # AAA80188	REACTIVITY Mouse
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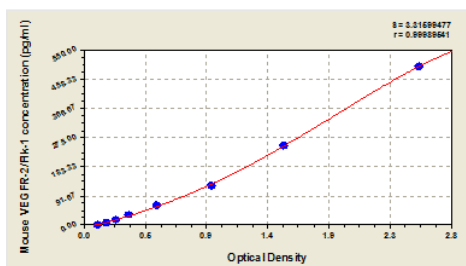
PRODUCT SYNONYMS

kinase insert domain receptor (a type III receptor tyrosine kinase); Mouse Vascular endothelial cell growth factor receptor 2; VEGFR-2/Flk-1 ELISA Kit; VEGFR-2/Flk-1 ELISA kit; CD309; FLK1; VEGFR; VEGFR2; fetal liver kinase-1; kinase insert domain receptor; protein-tyrosine kinase receptor Flk-1; soluble VEGFR2; tyrosine kinase growth factor receptor; vascular endothelial growt; KDR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of mouse VEGFR-2/Flk-1. No significant cross-reactivity or interference between mouse VEGFR-2/Flk-1 and analogues was observed.
Sequence Length	1367
Samples	Serum, plasma, cell culture supernates, tissue homogenates
Assay Type	Sandwich
Detection Range	7.8 pg/ml -500 pg/ml.
Sensitivity	The minimum detectable dose of mouse VEGFR-2/Flk-1 is typically less than 1.95 pg/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for KDR elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for VEGFR-2/Flk-1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any VEGFR-2/Flk-1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for VEGFR-2/Flk-1 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of VEGFR-2/Flk-1 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	549321
NCBI GeneID	16542
UniProt Accession #	P35918; C5H7S5
Molecular Weight	152,517 Da
NCBI Official Full Name	Vascular endothelial growth factor receptor 2
NCBI Official Synonym Full Names	kinase insert domain protein receptor
NCBI Official Symbol	Kdr
NCBI Official Synonym Symbols	Flk1; Ly73; Flk-1; Krd-1; VEGFR2; VEGFR-2; sVEGFR-2; 6130401C07
NCBI Protein Information	vascular endothelial growth factor receptor 2; kinase NYK; VEGF receptor-2; fetal liver kinase 1; protein-tyrosine kinase receptor flk-1; vascular endothelial growth factor receptor-2; vascular endothelial growth factor receptor-3; vascular endothelial growth factor receptor- 2; soluble vascular endothelial growth factor receptor 2
UniProt Protein Name	Vascular endothelial growth factor receptor 2
UniProt Gene Name	Kdr
UniProt Synonym Gene Names	Flk-1; Flk1; VEGFR-2; FLK-1
UniProt Entry Name	VGFR2_MOUSE

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/kdr-mouse-elisa-kits/kinase-insert-domain-receptor-a-type-iii-receptor-tyrosine-kinase/80188>