

Rat fms-related tyrosine kinase 1 (vascular endothelial growth factor/vascular permeability factor receptor) ELISA Kit | FLT1 elisa kit

Rat Vascular endothelial cell growth factor receptor 1, VEGFR-1/Flt1 ELISA Kit

CATALOG # AAA15658	REACTIVITY Rat
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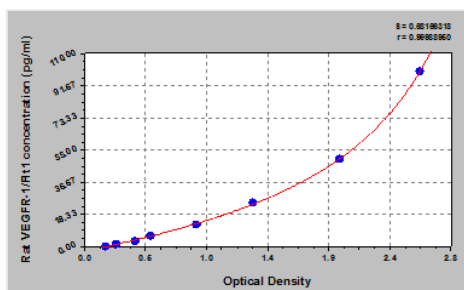
PRODUCT SYNONYMS

fms-related tyrosine kinase 1 (vascular endothelial growth factor/vascular permeability factor receptor); Rat Vascular endothelial cell growth factor receptor 1; VEGFR-1/Flt1 ELISA Kit; FLT; VEGFR1; fms-related tyrosine kinase 1; vascular endothelial growth factor receptor 1; FLT1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of rat VEGFR-1/Flt1. No significant cross-reactivity or interference between rat VEGFR-1/Flt1 and analogues was observed.
Sequence Length	1336
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, tissue homogenates
Detection Range	1.56 pg/ml-100 pg/ml
Sensitivity	< 0.39 pg/ml
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 FLT1 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for VEGFR-1/Flt1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any VEGFR-1/Flt1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for VEGFR-1/Flt1 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-1/Flt1 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 #	11276093
NCBI GeneID	54251
NCBI Accession #	NP_062179.1
NCBI GenBank Nucleotide #	NM_019306.1
UniProt Accession #	P53767
Molecular Weight	150,250 Da
NCBI Official Full Name	vascular endothelial growth factor receptor 1
NCBI Official Synonym Full Names	FMS-related tyrosine kinase 1
NCBI Official Symbol	Flt1
NCBI Official Synonym Symbols	VEGFR-1
NCBI Protein Information	vascular endothelial growth factor receptor 1; FLT-1; FMS-like tyrosine kinase 1; tyrosine-protein kinase receptor FLT; vascular endothelial growth factor receptor-1; Fms-related tyrosine kinase 1 (vascular endothelial growth factor/vascular permeability factor receptor)
UniProt Protein Name	Vascular endothelial growth factor receptor 1
UniProt Gene Name	Flt1
UniProt Synonym Gene Names	Flt-1; Vegfr1; VEGFR-1; FLT-1
UniProt Entry Name	VGFR1_RAT

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.