

Human Vascular Endothelial Growth Factor Receptor 1 (VEGFR1) ELISA Kit | VEGFR1 elisa kit

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CATALOG #
AAA185102

REACTIVITY
Human

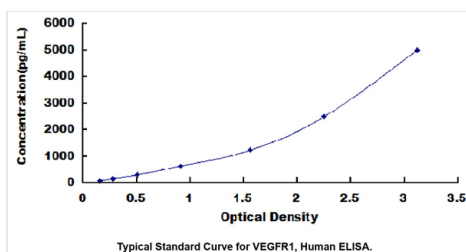
PRODUCT SYNONYMS

Vascular Endothelial Growth Factor Receptor 1 (VEGFR1); Human Vascular Endothelial Growth Factor Receptor 1 (VEGFR1) ELISA Kit; Flt1; Fms-Related Tyrosine Kinase 1; Vascular Permeability Factor Receptor; Fms-like tyrosine kinase 1; Tyrosine-protein kinase receptor FLT; VEGFR1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of VEGFR1. No significant cross-reactivity or interference between VEGFR1 and analogues was observed.
Sequence Length	361
Assay Type	Quantitative Sandwich
Samples	Human serum, plasma, tissue homogenates, saliva, cell lysates, follicular fluid and other biological fluids
Detection Range	78-5,000pg/mL
Sensitivity	< 29pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level VEGFR1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level VEGFR1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. 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 VEGFR1 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to VEGFR1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to VEGFR1. 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 VEGFR1, 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 VEGFR1 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of VEGFR1 in human serum, plasma, tissue homogenates, saliva, cell lysates, follicular fluid and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	229892302
NCBI GeneID	2321
NCBI Accession #	NP_001153503.1
NCBI GenBank Nucleotide #	NM_001160031.1
UniProt Accession #	P17948; O60722; A3E342; A3E344; A8KA71; B0LPF1; B2BF46; B2BF47; B2BF48; B3FR89; B5A923; F5H5L6
Molecular Weight	41,175 Da
NCBI Official Full Name	vascular endothelial growth factor receptor 1 isoform 4
NCBI Official Synonym Full Names	fms related tyrosine kinase 1
NCBI Official Symbol	FLT1
NCBI Official Synonym Symbols	FLT; FLT-1; VEGFR1; VEGFR-1
NCBI Protein Information	vascular endothelial growth factor receptor 1
UniProt Protein Name	Vascular endothelial growth factor receptor 1
UniProt Gene Name	FLT1
UniProt Synonym Gene Names	FLT; FRT; VEGFR1; VEGFR-1; FLT-1; FLT

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/human-elisa-kits/vascular-endothelial-growth-factor-receptor-1-vegfr1/185102>