

Human Vascular Endothelial Growth Factor Receptor 3 (VEGFR3) ELISA Kit | VEGFR3 elisa kit

Human Vascular Endothelial Growth Factor Receptor 3 (VEGFR3) High Sensitive ELISA Kit

CATALOG # AAA188559	REACTIVITY Human	APPLICATIONS ELISA
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PRODUCT SYNONYMS

Vascular Endothelial Growth Factor Receptor 3 (VEGFR3); Human Vascular Endothelial Growth Factor Receptor 3 (VEGFR3) High Sensitive ELISA Kit; Vascular Endothelial Growth Factor Receptor 3; FLT41; FLT4; PCL; Fms-Related Tyrosine Kinase 4; Tyrosine-protein kinase receptor FLT4; VEGFR3 elisa kit

PRODUCT SPECIFICATIONS

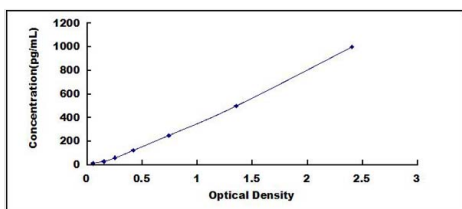
Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of High Sensitive Vascular Endothelial Growth Factor Receptor 3 (VEGFR3). No significant cross-reactivity or interference between High Sensitive Vascular Endothelial Growth Factor Receptor 3 (VEGFR3) and analogues was observed.
Sequence Length	1363
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma, tissue homogenates and other biological fluids
Detection Range	15.6-1,000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 6.4pg/mL
Applicable Applications for VEGFR3 elisa kit	ELISA
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level High Sensitive Vascular Endothelial Growth Factor Receptor 3 (VEGFR3) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level High Sensitive Vascular Endothelial Growth Factor Receptor 3 (VEGFR3) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	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 High Sensitive Vascular Endothelial Growth Factor Receptor 3 (VEGFR3). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to High Sensitive Vascular Endothelial Growth Factor Receptor 3 (VEGFR3). 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 High Sensitive Vascular Endothelial Growth Factor Receptor 3 (VEGFR3), 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 High Sensitive Vascular Endothelial Growth Factor Receptor 3 (VEGFR3) in the samples is then determined by comparing the O.D. of the samples to the standard curve.

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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	104294888
NCBI GeneID	2324
NCBI Accession #	NP_891555.2
NCBI GenBank Nucleotide #	NP_891555.2
UniProt Accession #	P35916
NCBI Official Full Name	vascular endothelial growth factor receptor 3 isoform 1
NCBI Official Synonym Full Names	fms related receptor tyrosine kinase 4
NCBI Official Symbol	FLT4
NCBI Official Synonym Symbols	PCL; CHTD7; FLT-4; FLT41; LMPH1A; LMPHM1; VEGFR3; VEGFR-3
NCBI Protein Information	vascular endothelial growth factor receptor 3
UniProt Protein Name	Vascular endothelial growth factor receptor 3
UniProt Gene Name	FLT4
UniProt Synonym Gene Names	VEGFR3; VEGFR-3; FLT-4
UniProt Entry Name	VGFR3_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/human-elisa-kits/vascular-endothelial-growth-factor-receptor-3-vegfr3/188559>