

Human VEGFR3/FLT-4 ELISA Kit | VEGFR3/FLT-4 elisa kit

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CATALOG #
AAA258389

REACTIVITY
Human

PRODUCT SYNONYMS

VEGFR3/FLT-4; Human VEGFR3/FLT-4 ELISA Kit; VEGFR3/FLT4 ELISA Kit; Human; fms related tyrosine kinase 4; FLT-4 ELISA Kit; FLT-41 ELISA Kit; FLT41 ELISA Kit; LMPH1A ELISA Kit; PCL ELISA Kit; VEGF Receptor 3 ELISA Kit; VEGFR-3 ELISA Kit; VEGFR3 ELISA Kit; VEGFR3/FLT-4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	For the quantitative determination of Human VEGFR3/FLT-4 concentration in serum.
Assay Type	Solid Phase Sandwich ELISA (quantitative)
Sample Types	Serum
Detection Range	46.88-3000pg/mL
Sensitivity	35pg/mL
Conjugation	HRP
Materials Provided	1. 96 well microplate coated with Capture Antibody 2. Detection Antibody conjugated to HRP 3. Standards 4. Wash Buffer Concentrate 5. Dilution Buffer Concentrate 6. Color Reagent A 7. Color Reagent B 8. Stop Solution

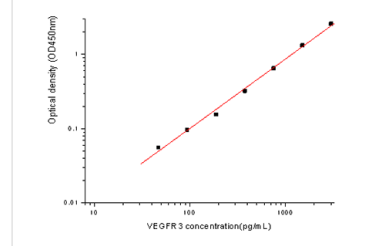
IMAGES

Recombinant human			
VEGFR1	VEGFR2	VEGF121	VEGF165
VEGFC	VEGFD		

Application Data

This assay recognizes both recombinant and natural Human VEGFR3. The factors listed above were prepared at 50ng/mL in dilution buffer and assayed for cross-reactivity. No cross-reactivity was observed. Recombinant human VEGFC does not cross-react in this assay but does interfere at concentrations greater than 0.5ng/mL.

Concentration (pg/mL)	Zero standard subtracted OD
0	0
46.88	0.056
93.75	0.097
187.5	0.156
375	0.322
750	0.652
1500	1.32
3000	2.586



Standard Curve (Sample)

This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.

ADDITIONAL INFORMATION

Related Product Information for VEGFR3/FLT-4 elisa kit	This VEGFR3/FLT4 ELISA Kit, Human is an enzyme-linked immunosorbent assay for the quantitative measurement of Human VEGFR3/FLT4 protein in Serum. It contains recombinant Human VEGFR3/FLT4, and antibodies raised against the recombinant protein. This ELISA kit is complete and ready-to-use. Background: Vascular endothelial growth factor receptor 3 (VEGFR3), also known as FLT-4, together with the other two members VEGFR1 (FLT-1) and VEGFR2 (KDR/Flk-1) are receptors for vascular endothelial growth factors (VEGF) and belong to the class III subfamily of receptor tyrosine kinases (RTKs). The VEGFR3 protein is expressed mainly on lymphatic vessels but it is also up-regulated in tumor angiogenesis. Mutations in VEGFR3 have been identified in patients with primary lymphoedema. The VEGF-C/VEGF-D/VEGFR3 signaling pathway may provide a target for antilymphangiogenic therapy in prostate cancer, breast cancer, gastric cancer, lung cancer, non-small cell lung cancer (NSCLC), and so on.
References	Shushanov S, et al. (2000)VEGFc and VEGFR3 expression in human thyroid pathologies. Int J Cancer.86(1): 47-52. Iljin K, et al. (2001) VEGFR3 gene structure, regulatory region, and sequence polymorphisms. FASEB J. 15(6): 1028-36. Liu XE, et al. (2004) Expression and significance of VEGF-C and FLT-4 in gastric cancer. World J Gastroenterol. 10(3): 352-5. Stearns ME, et al. (2004) Expression of a flt-4 (VEGFR3) splicing variant in primary human prostate tumors. VEGF D and flt-4t(Delta773-1081) overexpression is diagnostic for sentinel lymph node metastasis. Lab Invest. 84(6): 785-95.

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/vegfr3-flt-4/258389>