

Canine Vascular endothelial growth factor receptor3 ELISA Kit | VEGFR 3 elisa kit

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CATALOG #
AAA90415

REACTIVITY
Canine

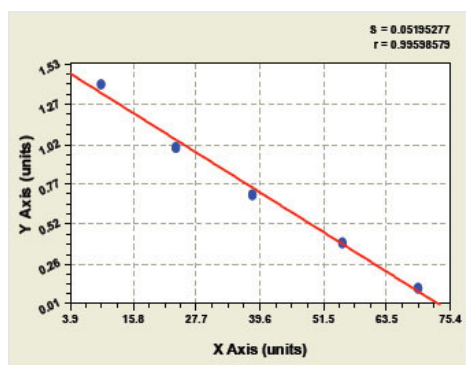
PRODUCT SYNONYMS

Vascular endothelial growth factor receptor3; Canine Vascular endothelial growth factor receptor3 ELISA Kit; VEGFR 3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for VEGFR 3 elisa kit

For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate

INTENDED USE This VEGFR3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine VEGFR3. This ELISA kit for research use only!

PRINCIPLE OF THE ASSAY VEGFR3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-VEGFR3 antibody and an VEGFR3-HRP conjugate. The assay sample and buffer are incubated together with VEGFR3-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the VEGFR3 concentration since VEGFR3 from samples and VEGFR3-HRP conjugate compete for the anti-VEGFR3 antibody binding site. Since the number of sites is limited, as more sites are occupied by VEGFR3 from the sample, fewer sites are left to bind VEGFR3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The VEGFR3 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for VEGFR 3
elisa kit

Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	104294888
NCBI GeneID	2324
NCBI Accession #	NP_891555.2
NCBI GenBank Nucleotide #	NM_182925.4
UniProt Accession #	P35916; Q16067; Q86W07; Q86W08; A8K6L4; B5A926; Q59F24; AAB23636
Molecular Weight	152,757 Da
NCBI Official Full Name	vascular endothelial growth factor receptor 3 isoform 1
NCBI Official Synonym Full Names	fms-related tyrosine kinase 4
NCBI Official Symbol	FLT4
NCBI Official Synonym Symbols	PCL; FLT41; LMPH1A; VEGFR3
NCBI Protein Information	vascular endothelial growth factor receptor 3; FLT-4; VEGFR-3; soluble VEGFR3 variant 1; soluble VEGFR3 variant 2; soluble VEGFR3 variant 3; fms-like tyrosine kinase 4; tyrosine-protein kinase receptor FLT4
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/vegfr-3-canine-elisa-kits/vascular-endothelial-growth-factor-receptor3/90415>