

Canine Vascular Endothelial Growth Factor D ELISA Kit | VEGF.D elisa kit

Canine Vascular Endothelial Growth Factor D ELISA Kit

CATALOG #
AAA92369

REACTIVITY
Canine

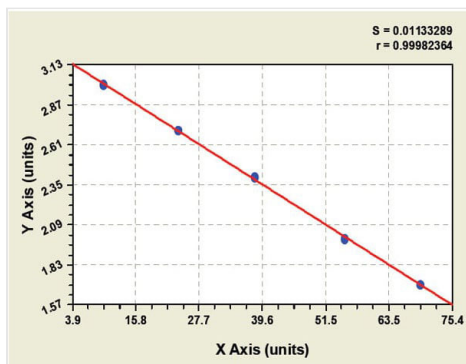
PRODUCT SYNONYMS

Vascular Endothelial Growth Factor D; Canine Vascular Endothelial Growth Factor D ELISA Kit; VEGF.D elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This VEGF-D ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine VEGF-D. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for VEGF.D elisa kit

Principle of the Assay: VEGF-D ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-VEGF-D antibody and an VEGF-D-HRP conjugate. The assay sample and buffer are incubated together with VEGF-D-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 VEGF-D concentration since VEGF-D from samples and VEGF-D-HRP conjugate compete for the anti-VEGF-D antibody binding site. Since the number of sites is limited, as more sites are occupied by VEGF-D from the sample, fewer sites are left to bind VEGF-D-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The VEGF-D concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758378
NCBI GeneID	2277
NCBI Accession #	NP_004460.1
NCBI GenBank Nucleotide #	NM_004469.4
Molecular Weight	40,444 Da
NCBI Official Full Name	vascular endothelial growth factor D preproprotein
NCBI Official Synonym Full Names	c-fos induced growth factor (vascular endothelial growth factor D)
NCBI Official Symbol	FIGF
NCBI Official Synonym Symbols	VEGFD; VEGF-D
NCBI Protein Information	vascular endothelial growth factor D
UniProt Protein Name	Vascular endothelial growth factor D
UniProt Gene Name	FIGF
UniProt Synonym Gene Names	VEGFD; VEGF-D; FIGF
UniProt Entry Name	VEGFD_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/vegfd-canine-elisa-kits/vascular-endothelial-growth-factor-d/92369>