

Canine Platelet Derived Growth Factor D ELISA Kit | PDGFD elisa kit

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CATALOG #
AAA91085

REACTIVITY
Canine

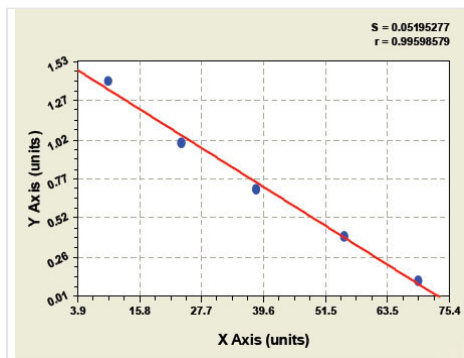
PRODUCT SYNONYMS

Platelet Derived Growth Factor D; Canine Platelet Derived Growth Factor D ELISA Kit; PDGFD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	2.5-50ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This PDGFD ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine PDGFD. 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 PDGFD elisa kit

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	15451921
NCBI GeneID	80310
NCBI Accession #	NP_149126.1
NCBI GenBank Nucleotide #	NM_033135.3
Molecular Weight	42,167 Da
NCBI Official Full Name	platelet-derived growth factor D isoform 2
NCBI Official Synonym Full Names	platelet derived growth factor D
NCBI Official Symbol	PDGFD
NCBI Official Synonym Symbols	IEGF; SCDGFB; MSTP036; SCDGF-B
NCBI Protein Information	platelet-derived growth factor D; PDGF-D; iris-expressed growth factor; spinal cord derived growth factor B; spinal cord-derived growth factor B; spinal cord-derived growth factor-B
UniProt Protein Name	Platelet-derived growth factor D
UniProt Gene Name	PDGFD
UniProt Synonym Gene Names	IEGF; SCDGFB; MSTP036; UNQ1899/PRO4345; PDGF-D; SCDGF-B; PDGFD latent form; PDGFD receptor-binding form
UniProt Entry Name	PDGFD_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.