

Canine Platelet Derived Growth Factor Subunit A ELISA Kit | PDGFA elisa kit

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CATALOG #
AAA93072

REACTIVITY
Canine

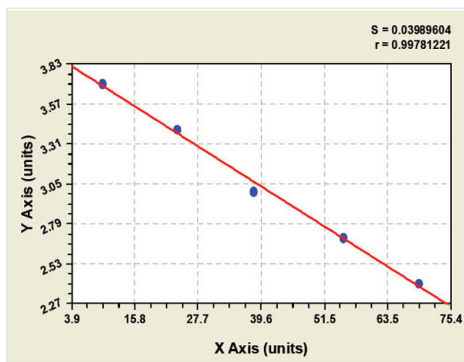
PRODUCT SYNONYMS

Platelet Derived Growth Factor Subunit A; Canine Platelet Derived Growth Factor Subunit A ELISA Kit; PDGFA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	25-500pg/mL
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PDGFA elisa kit	For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate Intended Use This PDGFA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine PDGFA. This ELISA kit for research use only! PRINCIPLE OF THE ASSAY PDGFA ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PDGFA antibody and an PDGFA-HRP conjugate. The assay sample and buffer are incubated together with PDGFA-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 PDGFA concentration since PDGFA from samples and PDGFA-HRP conjugate compete for the anti-PDGFA antibody binding site. Since the number of sites is limited, as more sites are occupied by PDGFA from the sample, fewer sites are left to bind PDGFA-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PDGFA concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	77695917
NCBI GeneID	5154
NCBI Accession #	NP_002598.4
NCBI GenBank Nucleotide #	NM_002607.5
Molecular Weight	22,253 Da
NCBI Official Full Name	platelet-derived growth factor subunit A isoform 1 preproprotein
NCBI Official Synonym Full Names	platelet-derived growth factor alpha polypeptide
NCBI Official Symbol	PDGFA
NCBI Official Synonym Symbols	PDGF1; PDGF-A
NCBI Protein Information	platelet-derived growth factor subunit A; PDGF-1; PDGF A-chain; PDGF subunit A; platelet-derived growth factor A chain; platelet-derived growth factor alpha chain; platelet-derived growth factor alpha isoform 2 preproprotein
UniProt Protein Name	Platelet-derived growth factor subunit A
UniProt Gene Name	PDGFA
UniProt Synonym Gene Names	PDGF1; PDGF subunit A
UniProt Entry Name	PDGFA_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.