

Canine Plasminogen Activator Inhibitor 2 ELISA Kit | PAI2 elisa kit

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CATALOG #
AAA88348

REACTIVITY
Canine

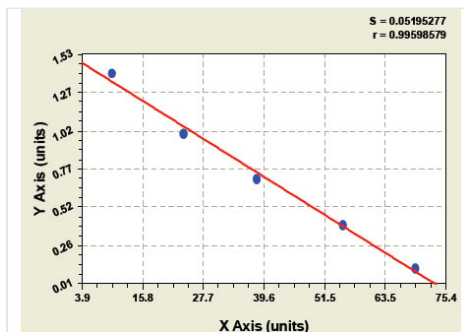
PRODUCT SYNONYMS

Plasminogen Activator Inhibitor 2; Canine Plasminogen Activator Inhibitor 2 ELISA Kit; PAI2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	25-500ng/mL
Sensitivity	1.0ng/mL
Intended Uses	This PAI2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine PAI2. 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 PAI2 elisa kit

Principle of the Assay: PAI2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PAI2 antibody and an PAI2-HRP conjugate. The assay sample and buffer are incubated together with PAI2-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 PAI2 concentration since PAI2 from samples and PAI2-HRP conjugate compete for the anti-PAI2 antibody binding site. Since the number of sites is limited, as more sites are occupied by PAI2 from the sample, fewer sites are left to bind PAI2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PAI2 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	219689110
NCBI GeneID	5055
NCBI Accession #	NP_001137290.1
NCBI GenBank Nucleotide #	NM_001143818.1
Molecular Weight	46,596 Da
NCBI Official Full Name	plasminogen activator inhibitor 2
NCBI Official Synonym Full Names	serpin peptidase inhibitor, clade B (ovalbumin), member 2
NCBI Official Symbol	SERPINB2
NCBI Official Synonym Symbols	PAI; PAI2; PAI-2; PLANH2; HsT1201
NCBI Protein Information	plasminogen activator inhibitor 2; serpin B2; monocyte Arg-serpin; urokinase inhibitor; placental plasminogen activator inhibitor; plasminogen activator inhibitor, type II (arginine-serpin); serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 2
UniProt Protein Name	Plasminogen activator inhibitor 2
UniProt Gene Name	SERPINB2
UniProt Synonym Gene Names	PAI2; PLANH2; PAI-2
UniProt Entry Name	PAI2_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.