

Canine Elastase-1 ELISA Kit | ELA1 elisa kit

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CATALOG #
AAA95844

REACTIVITY
Canine

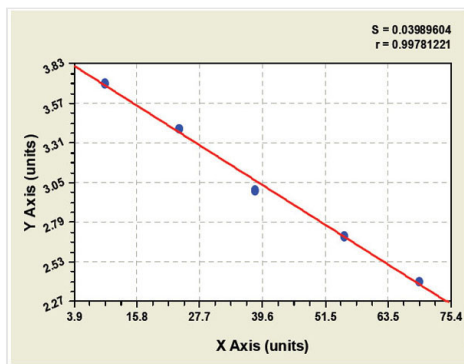
PRODUCT SYNONYMS

Elastase-1; Canine Elastase-1 ELISA Kit; ELA1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.5-50ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This ELA1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine ELA1. 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 ELA1 elisa kit

Principle of the Assay: ELA1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ELA1 antibody and an ELA1-HRP conjugate. The assay sample and buffer are incubated together with ELA1-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 ELA1 concentration since ELA1 from samples and ELA1-HRP conjugate compete for the anti-ELA1 antibody binding site. Since the number of sites is limited, as more sites are occupied by ELA1 from the sample, fewer sites are left to bind ELA1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ELA1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1942
UniProt Accession #	P00772; Q29625
Molecular Weight	28,821 Da
NCBI Official Full Name	elastase 1
UniProt Protein Name	Chymotrypsin-like elastase family member 1
UniProt Gene Name	CELA1
UniProt Synonym Gene Names	ELA1
UniProt Entry Name	CELA1_PIG

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.