

Canine Endothelial-leukocyte adhesion molecule 1 ELISA Kit | ELAM-1 elisa kit

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CATALOG #
AAA96310

REACTIVITY
Canine

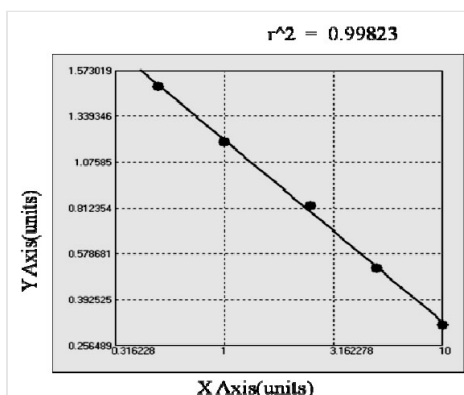
PRODUCT SYNONYMS

Endothelial-leukocyte adhesion molecule 1; Canine Endothelial-leukocyte adhesion molecule 1 ELISA Kit; Canine ELAM-1 ELISA Kit; ELAM-1 ELISA Kit; ELAM-1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This ELAM-1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine ELAM-1. 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 ELAM-1 elisa kit

Principle of the assay: ELAM-1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ELAM-1 antibody and an ELAM-1-HRP conjugate. The assay sample and buffer are incubated together with ELAM-1-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 ELAM-1 concentration since ELAM-1 from samples and ELAM-1-HRP conjugate compete for the anti-ELAM-1 antibody binding site. Since the number of sites is limited, as more sites are occupied by ELAM-1 from the sample, fewer sites are left to bind ELAM-1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ELAM-1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	187960042
NCBI GeneID	6401
NCBI Accession #	NP_000441.2
NCBI GenBank Nucleotide #	NM_000450.2
UniProt Accession #	P16581; P16111; A2RRD6
Molecular Weight	66,655 Da
NCBI Official Full Name	E-selectin
NCBI Official Synonym Full Names	selectin E
NCBI Official Symbol	SELE
NCBI Official Synonym Symbols	ELAM; ESEL; CD62E; ELAM1; LECAM2
NCBI Protein Information	E-selectin; ELAM-1; endothelial adhesion molecule 1; CD62 antigen-like family member E; endothelial leukocyte adhesion molecule 1; leukocyte endothelial cell adhesion molecule 2; leukocyte-endothelial cell adhesion molecule 2
UniProt Protein Name	E-selectin
UniProt Gene Name	SELE
UniProt Synonym Gene Names	ELAM1; ELAM-1; LECAM2
UniProt Entry Name	LYAM2_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.