

Canine Platelet endothelial cell adhesion molecule-1 ELISA Kit | PECAM-1/CD31 elisa kit

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CATALOG #
AAA16814

REACTIVITY
Canine

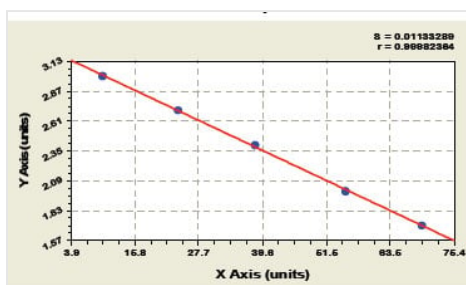
PRODUCT SYNONYMS

Platelet endothelial cell adhesion molecule-1; Canine Platelet endothelial cell adhesion molecule-1 ELISA Kit; PECAM-1/CD31 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 pg/mL.
Intended Uses	This PECAM-1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine PECAM-1. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



ADDITIONAL INFORMATION

Related Product Information for PECAM-1/CD31 elisa kit

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

Product Categories/Family for PECAM-1/CD31 elisa kit

Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	313760624
NCBI GeneID	5175
NCBI Accession #	NP_000433.4
NCBI GenBank Nucleotide #	NM_000442.4
Molecular Weight	81,378 Da
NCBI Official Full Name	platelet endothelial cell adhesion molecule
NCBI Official Synonym Full Names	platelet/endothelial cell adhesion molecule 1
NCBI Official Symbol	PECAM1
NCBI Official Synonym Symbols	CD31; PECA1; GPIIA ⁺ ; PECAM-1; endoCAM; CD31/EndoCAM
NCBI Protein Information	platelet endothelial cell adhesion molecule; CD31 antigen
UniProt Protein Name	Platelet endothelial cell adhesion molecule
UniProt Gene Name	PECAM1
UniProt Synonym Gene Names	PECAM-1
UniProt Entry Name	PECA1_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.

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Online datasheet: <https://stage.aaabiotech.com/pecam-1-cd31-canine-elisa-kits/platelet-endothelial-cell-adhesion-molecule-1/16814>