

Canine Cluster of differentiation 34 ELISA Kit | CD34 elisa kit

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CATALOG #
AAA88342

REACTIVITY
Canine

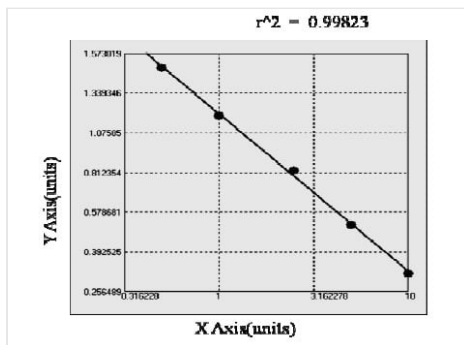
PRODUCT SYNONYMS

Cluster of differentiation 34; Canine Cluster of differentiation 34 ELISA Kit; CD34 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This CD34 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine CD34. 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 CD34 elisa kit

Principle of the assay: CD34 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CD34 antibody and an CD34-HRP conjugate. The assay sample and buffer are incubated together with CD34-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 CD34 concentration since CD34 from samples and CD34-HRP conjugate compete for the anti-CD34 antibody binding site. Since the number of sites is limited, as more sites are occupied by CD34 from the sample, fewer sites are left to bind CD34-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CD34 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	264769
NCBI GeneID	947
Molecular Weight	35,011 Da
NCBI Official Full Name	CD34
NCBI Official Synonym Full Names	CD34 molecule
NCBI Official Symbol	CD34
NCBI Protein Information	hematopoietic progenitor cell antigen CD34; CD34 antigen
UniProt Protein Name	Hematopoietic progenitor cell antigen CD34
UniProt Gene Name	CD34
UniProt Entry Name	CD34_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/cd34-canine-elisa-kits/cluster-of-differentiation-34/88342>