

Canine KalliKrein 1 ELISA Kit | KLK 1 elisa kit

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CATALOG #
AAA89941

REACTIVITY
Canine

PRODUCT SYNONYMS

KalliKrein 1; Canine KalliKrein 1 ELISA Kit; KLK 1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This KLK 1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine KLK 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 KLK 1 elisa kit

Principle of the Assay: KLK 1 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for KLK 1. Standards or samples are then added to the microtiter plate wells and KLK 1 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of KLK 1 present in the sample, a standardized preparation of horseradish peroxidase (HRP) -conjugated polyclonal antibody, specific for KLK 1 are added to each well to "sandwich" the KLK 1 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain KLK 1 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The KLK 1 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for KLK 1 elisa kit

[Cardiovascular](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #

[13529059](#)

NCBI GeneID	3816
Molecular Weight	23,835 Da
NCBI Official Full Name	Kallikrein 1
NCBI Official Synonym Full Names	kallikrein 1
NCBI Official Symbol	KLK1
NCBI Official Synonym Symbols	hK1; KLKR; Klk6
NCBI Protein Information	kallikrein-1; tissue kallikrein; glandular kallikrein 1; kallikrein serine protease 1; kallikrein 1, renal/pancreas/salivary; kidney/pancreas/salivary gland kallikrein
UniProt Protein Name	Kallikrein-1
UniProt Gene Name	KLK1
UniProt Entry Name	KLK1_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/klk-1-canine-elisa-kits/kallikrein-1/89941>