

Dog KAL (Kallistatin) ELISA Kit | KAL elisa kit

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CATALOG #
AAA276463

REACTIVITY
Dog

PRODUCT SYNONYMS

KAL (Kallistatin); Dog KAL (Kallistatin) ELISA Kit; SERPINA4; KLST; KST; PI4; Serpin Peptidase Inhibitor Clade A Member 4; Tissue Kallikrein Inhibitor; Kallikrein Binding Protein; Peptidase inhibitor 4; KAL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Dog
Specificity	This assay has high sensitivity and excellent specificity for detection of Dog KAL. No significant cross-reactivity or interference between Dog KAL and analogues was observed.
Assay Type	Sandwich
Detection Range	6.25-400 ng/mL
Sensitivity	2.46 ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay)? CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-assay Precision (Precision between assays)? CV%<10%. Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.
Preparation and Storage	Store at 2-8 degree C. Stable for 6 months from date of receipt.

ADDITIONAL INFORMATION

Related Product Information for KAL elisa kit	Principle of the Assay: The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Kallistatin(KAL). Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Kallistatin(KAL). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Kallistatin(KAL), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm $\pm$ 10nm. The concentration of Kallistatin(KAL) in the samples is then determined by comparing the OD of the samples to the standard curve.
Product Categories/Family for KAL elisa kit	Infection immunity

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://www.aaabiotech.com/dog-elisa-kits/kal-kallistatin/276463>