Dog IL1a (Interleukin 1 Alpha) ELISA Kit | IL1a elisa kit

Dog IL1a (Interleukin 1 Alpha) ELISA Kit

CATALOG #	REACTIVITY
AAA273917	**Dog**

PRODUCT SYNONYMS

IL1a (Interleukin 1 Alpha); Dog IL1a (Interleukin 1 Alpha) ELISA Kit; IL1 Alpha; IL1-A; IL-1alpha; IL1F1; Preinterleukin 1 Alpha; Hematopoietin-1; Pro-Interleukin-1-Alpha; Interleukin-1 Family Member 1; IL1a elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Dog
Specificity	This assay has high sensitivity and excellent specificity for detection of Dog IL1a. No significant cross-reactivity or interference between Dog IL1a and analogues was observed.
Assay Type	Sandwich
Detection Range	7.82-500 pg/mL
Sensitivity	3.3 pg/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.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL1a 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 Interleukin 1 Alpha(IL1a). Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Interleukin 1 Alpha(IL1a). 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 Interleukin 1 Alpha(IL1a), 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 ± 10nm. The concentration of Interleukin 1 Alpha(IL1a) in the samples is then determined by comparing the OD of the samples to the standard curve.
Product Categories/Family for IL1a elisa kit	Cytokine; Apoptosis

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.