

Canine Alpha B-Crystallin ELISA Kit | CRYAB elisa kit

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CATALOG #
AAA93004

REACTIVITY
Canine

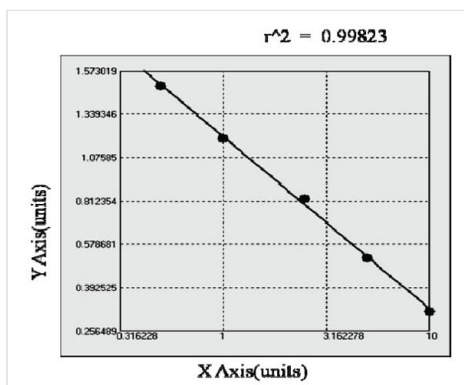
PRODUCT SYNONYMS

Alpha B-Crystallin; Canine Alpha B-Crystallin ELISA Kit; CRYAB 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
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CRYAB elisa kit

Intended Uses: This CRYAB ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine CRYAB. This ELISA kit for research use only!

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	337756594
NCBI GeneID	791109
NCBI Accession #	NP_001229681.1
NCBI GenBank Nucleotide #	NM_001242752.1
NCBI Official Full Name	alpha-crystallin B chain
NCBI Official Symbol	CRYAB
NCBI Protein Information	alpha-crystallin B chain

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/cryab-canine-elisa-kits/alpha-b-crystallin/93004>