

Sheep Alpha B-Crystallin ELISA Kit | CRYAB elisa kit

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CATALOG #
AAA89459

REACTIVITY
Sheep

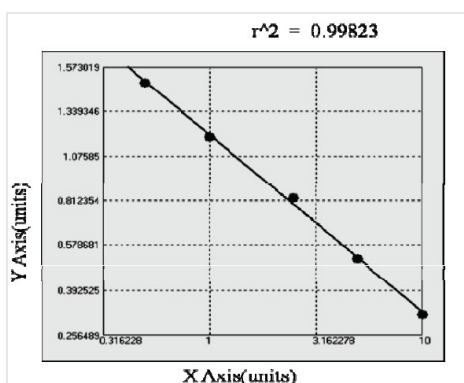
PRODUCT SYNONYMS

Alpha B-Crystallin; Sheep Alpha B-Crystallin ELISA Kit; CRYAB elisa kit

PRODUCT SPECIFICATIONS

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

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.

Product Categories/Family for CRYAB elisa kit

[Neurobiology](#)

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-sheep-elisa-kits/alpha-b-crystallin/89459>