

Mouse Alpha-crystallin B chain (CRYAB) ELISA Kit | CRYAB elisa kit

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CATALOG #
AAA246338

REACTIVITY
Mouse

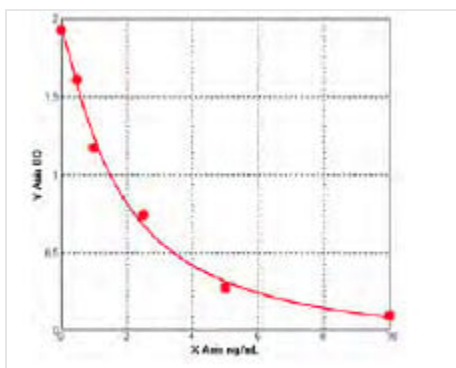
PRODUCT SYNONYMS

Alpha-crystallin B chain (CRYAB); Mouse Alpha-crystallin B chain (CRYAB) ELISA Kit; CRYAB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of CRYAB. No significant cross-reactivity or interference between CRYAB and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CRYAB and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/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 MouseCRYAB. This ELISA kit for research use only! Principle of the Assay: CRYAB ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal 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	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	167887506
NCBI GeneID	1410
Molecular Weight	20,159 Da
NCBI Official Full Name	alpha crystallin B chain
NCBI Official Synonym Full Names	crystallin, alpha B
NCBI Official Symbol	CRYAB
NCBI Official Synonym Symbols	MF2; CRYA2; CTPP2; HSPB5; CMD11; CTRCT16; HEL-S-101
NCBI Protein Information	alpha-crystallin B chain; heat shock protein beta-5; rosenthal fiber component; heat-shock 20 kD like-protein; renal carcinoma antigen NY-REN-27; epididymis secretory protein Li 101
UniProt Protein Name	Alpha-crystallin B chain
UniProt Gene Name	CRYAB
UniProt Synonym Gene Names	CRYA2; HspB5
UniProt Entry Name	CRYAB_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/mouse-elisa-kits/alpha-crystallin-b-chain-cryab/246338>