

Mouse Crystallin Beta A1 (CRYbA1) ELISA Kit | CRYbA1 elisa kit

Mouse Crystallin Beta A1 (CRYbA1) ELISA Kit

CATALOG #
AAA186807

REACTIVITY
Mouse

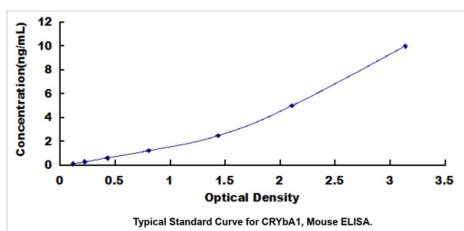
PRODUCT SYNONYMS

Crystallin Beta A1 (CRYbA1); Mouse Crystallin Beta A1 (CRYbA1) ELISA Kit; CRYB1; Eye Lens Structural Protein; CRYbA1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of CRYbA1. No significant cross-reactivity or interference between CRYbA1 and analogues was observed.
Sequence Length	198
Assay Type	Quantitative Sandwich
Samples	Mouse tissue homogenates, cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.062ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CRYbA1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CRYbA1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CRYbA1 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to CRYbA1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to CRYbA1. 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 CRYbA1, 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 CRYbA1 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CRYbA1 in mouse tissue homogenates, cell lysates and other biological fluids.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	109730599
NCBI GeneID	1411
Molecular Weight	23,191 Da
NCBI Official Full Name	Crystallin, beta A1
NCBI Official Synonym Full Names	crystallin beta A1
NCBI Official Symbol	CRYBA1
NCBI Official Synonym Symbols	CRYB1; CTRCT10
NCBI Protein Information	beta-crystallin A3
UniProt Protein Name	Beta-crystallin A3
UniProt Gene Name	CRYBA1
UniProt Synonym Gene Names	CRYB1

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/mouse-elisa-kits/crystallin-beta-a1-cryba1/186807>