

Human crystallin, alpha B ELISA Kit | CRYAB elisa kit

Human Alpha-crystallin B chain, CRYAB ELISA Kit

CATALOG #
AAA18348

REACTIVITY
Human

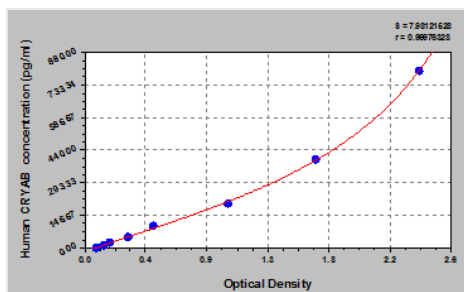
PRODUCT SYNONYMS

crystallin; alpha B; Human Alpha-crystallin B chain; CRYAB ELISA Kit; Human Alpha-crystallin B chain (CRYAB) ELISA kit; CRYA2; CTPP2; HSPB5; alpha B crystallin; alpha crystallin B chain; heat-shock 20 kD like-protein; CRYAB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human CRYAB. No significant cross-reactivity or interference between human CRYAB and analogues was observed.
Sequence Length	175
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, cell lysates, tissue homogenates
Detection Range	12.5 pg/ml-800 pg/ml
Sensitivity	< 3.12 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.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CRYAB elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for CRYAB has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any CRYAB present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CRYAB is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of CRYAB bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	577019571
NCBI GeneID	1410
NCBI Accession #	NP_001276736.1
NCBI GenBank Nucleotide #	NM_001289807.1
UniProt Accession #	P02511; O43416; Q9UC37; Q9UC38; Q9UC39; Q9UC40; Q9UC41; B0YIX0
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	MFM2; CRYA2; CTPP2; HSPB5; CMD1II; 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.