

Rat Beta-crystallin B1 (CRYBB1) ELISA Kit | CRYBB1 elisa kit

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CATALOG #
AAA245661

REACTIVITY
Rat

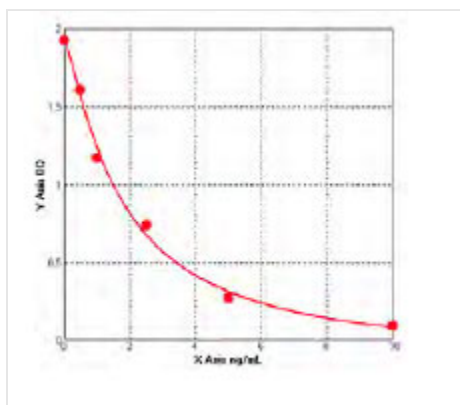
PRODUCT SYNONYMS

Beta-crystallin B1 (CRYBB1); Rat Beta-crystallin B1 (CRYBB1) ELISA Kit; CRYBB1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
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 CRYBB1 elisa kit

Intended Uses: This CRYBA1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CRYBA1. This ELISA kit for research use only!

Principle of the Assay: CRYBA1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CRYBA1 antibody and an CRYBA1-HRP conjugate. The assay sample and buffer are incubated together with CRYBA1-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 CRYBA1 concentration since CRYBA1 from samples and CRYBA1-HRP conjugate compete for the anti-CRYBA1 antibody binding site. Since the number of sites is limited, as more sites are occupied by CRYBA1 from the sample, fewer sites are left to bind CRYBA1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CRYBA1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503061
NCBI GeneID	1414
NCBI Accession #	NP_001878.1
NCBI GenBank Nucleotide #	NM_001887.3
Molecular Weight	28,023 Da
NCBI Official Full Name	beta-crystallin B1
NCBI Official Synonym Full Names	crystallin, beta B1
NCBI Official Symbol	CRYBB1
NCBI Official Synonym Symbols	CATCN3; CTRCT17
NCBI Protein Information	beta-crystallin B1; beta-B1 crystallin; eye lens structural protein
UniProt Protein Name	Beta-crystallin B1
UniProt Gene Name	CRYBB1
UniProt Entry Name	CRBB1_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/rat-elisa-kits/beta-crystallin-b1-crybb1/245661>