

Mouse Cryptochrome 1 ELISA Kit | CRY1 elisa kit

Mouse Cryptochrome 1 ELISA Kit

CATALOG # AAA85735	REACTIVITY Mouse
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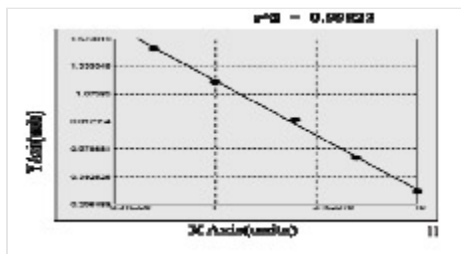
PRODUCT SYNONYMS

Cryptochrome 1; Mouse Cryptochrome 1 ELISA Kit; CRY1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This CRY-1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse CRY-1. 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 CRY1 elisa kit	Principle of the assay: CRY-1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CRY-1 antibody and an CRY-1-HRP conjugate. The assay sample and buffer are incubated together with CRY-1-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 CRY-1 concentration since CRY-1 from samples and CRY-1-HRP conjugate compete for the anti-CRY-1 antibody binding site. Since the number of sites is limited, as more sites are occupied by CRY-1 from the sample, fewer sites are left to bind CRY-1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CRY-1 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for CRY1 elisa kit	Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	18413170
NCBI GeneID	826470
NCBI Accession #	NP_567341.1
NCBI GenBank Nucleotide #	NM_116961.4
Molecular Weight	76,695 Da
NCBI Official Full Name	cryptochrome-1
NCBI Official Symbol	CRY1
NCBI Official Synonym Symbols	ATCRY1; BLU1; BLUE LIGHT UNINHIBITED 1; CRY1; cryptochrome 1; CRYPTOCHROME 1 APOPROTEIN (BLUE LIGHT PHOTORECEPTOR; ELONGATED HYPOCOTYL 4; HY4; OOP2; OUT OF PHASE 2; T3H13.14; T3H13_14
NCBI Protein Information	cryptochrome-1
UniProt Protein Name	Cryptochrome-1
UniProt Gene Name	CRY1
UniProt Synonym Gene Names	BLU1; HY4; At4g08920; T3H13.14; T3H13.5; OOP2
UniProt Entry Name	CRY1_ARATH

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/cry1-mouse-elisa-kits/cryptochrome-1/85735>