

Human Cryptochrome 1 ELISA Kit | CRY1 elisa kit

Human Cryptochrome 1 ELISA Kit

CATALOG #
AAA87300

REACTIVITY
Human

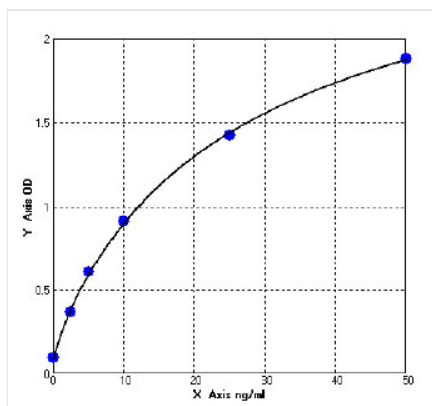
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CRY1. No significant cross-reactivity or interference between CRY1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CRY1 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Competitive or Sandwich
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
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 CRY1 elisa kit	Principle of the Assay: CRY1 ELISA kit applies the quantiCRY1ive sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with an antibody specific for CRY1. Standards or samples are then added to the microtiter plate wells and CRY1 if present, will bind to the antibody pre-coated wells. In order to quantiCRY1ively determine the amount of CRY1 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for CRY1 are added to each well to "sandwich" the CRY1 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain CRY1 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CRY1 concentration in each sample is interpolated from this standard curve. Intended Uses: This CRY1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantiCRY1ive determination of Human CRY1. This ELISA kit for research use only, not for therapeutic or test applications!
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-human-elisa-kits/cryptochrome-1/87300>