

Mouse Cryptochrome-2 (CRY2) ELISA Kit | CRY2 elisa kit

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CATALOG #
AAA246847

REACTIVITY
Mouse

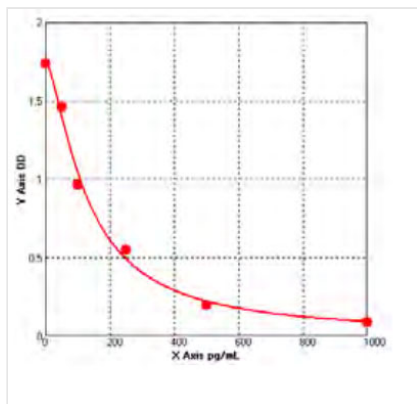
PRODUCT SYNONYMS

Cryptochrome-2 (CRY2); Mouse Cryptochrome-2 (CRY2) ELISA Kit; CRY2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of CRY2. No significant cross-reactivity or interference between CRY2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CRY2 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CRY2 elisa kit	Principle of the Assay: CRY2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CRY2 antibody and an CRY2-HRP conjugate. The assay sample and buffer are incubated together with CRY2-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 CRY2 concentration since CRY2 from samples and CRY2-HRP conjugate compete for the anti-CRY2 antibody binding site. Since the number of sites is limited, as more sites are occupied by CRY2 from the sample, fewer sites are left to bind CRY2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CRY2 concentration in each sample is interpolated from this standard curve. Intended Uses: This CRY2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse CRY2. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for CRY2 elisa kit	Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	188536103
NCBI GeneID	1408
NCBI Accession #	NP_001120929.1
NCBI GenBank Nucleotide #	NM_001127457.2
Molecular Weight	60,593 Da
NCBI Official Full Name	cryptochrome-2 isoform 2
NCBI Official Synonym Full Names	cryptochrome circadian clock 2
NCBI Official Symbol	CRY2
NCBI Official Synonym Symbols	HCRY2; PHLL2
NCBI Protein Information	cryptochrome-2; growth-inhibiting protein 37; cryptochrome 2 (photolyase-like)
UniProt Protein Name	Cryptochrome-2
UniProt Gene Name	CRY2
UniProt Synonym Gene Names	KIAA0658
UniProt Entry Name	CRY2_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/mouse-elisa-kits/cryptochrome-2-cry2/246847>