

Chicken Cryptochrome 1 ELISA Kit | CRY1 elisa kit

Chicken Cryptochrome 1 ELISA Kit

CATALOG #
AAA92602

REACTIVITY
Chicken

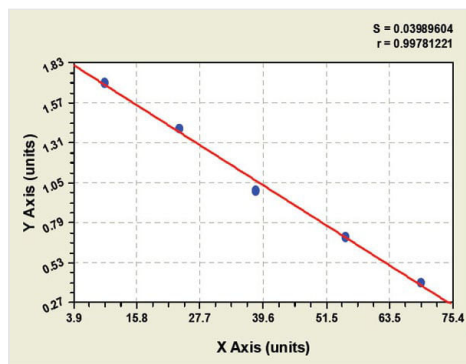
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Intended Uses	This CRY1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken CRY1. This ELISA kit for research use only, not for therapeutic applications
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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 competitive enzyme immunoassay technique utilizing a monoclonal anti-CRY1 antibody and an CRY1-HRP conjugate. The assay sample and buffer are incubated together with CRY1-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 CRY1 concentration since CRY1 from samples and CRY1-HRP conjugate compete for the anti-CRY1 antibody binding site. Since the number of sites is limited, as more sites are occupied by CRY1 from the sample, fewer sites are left to bind CRY1-HRP conjugate. 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.

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.