

## Sheep Cryptochrome 1 ELISA Kit | CRY1 elisa kit

Sheep Cryptochrome 1 ELISA Kit

CATALOG #  
**AAA88684**

REACTIVITY  
**Sheep**

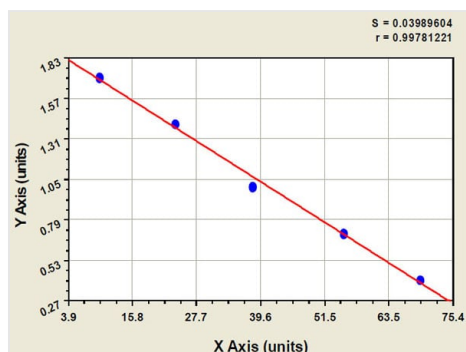
### PRODUCT SYNONYMS

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

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Sheep                                                                                                                                                                                  |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                             |
| Assay Type              | Competitive                                                                                                                                                                            |
| Sensitivity             | 0.1 ng/mL.                                                                                                                                                                             |
| Intended Uses           | This CRY1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep CRY1. 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:** 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.

#### 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             | <b>CRY1</b>                                                                                                                                                                             |
| 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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