

## Mouse Cyclophilin A ELISA Kit | CYPA elisa kit

Mouse Cyclophilin A ELISA Kit

CATALOG #  
**AAA16636**

REACTIVITY  
**Mouse**

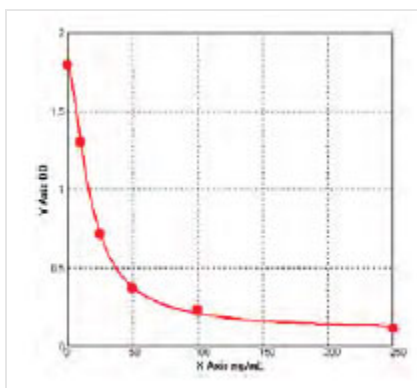
### PRODUCT SYNONYMS

Cyclophilin A; Mouse Cyclophilin A ELISA Kit; CYPA elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                      |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate |
| Assay Type              | Quantitative Competitive                                                   |
| Sensitivity             | 1.0 ng/mL.                                                                 |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                        |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for CYPA elisa kit

**Intended Uses:** This CyPA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse CyPA. This ELISA kit for research use only!

**Principle of the Assay:** CyPA ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CyPA antibody and an CyPA-HRP conjugate. The assay sample and buffer are incubated together with CyPA-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 CyPA concentration since CyPA from samples and CyPA-HRP conjugate compete for the anti-CyPA antibody binding site. Since the number of sites is limited, as more sites are occupied by CyPA from the sample, fewer sites are left to bind CyPA-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CyPA concentration in each sample is interpolated from this standard curve.

## NCBI AND UNIPROT INFORMATION

|                            |                                  |
|----------------------------|----------------------------------|
| NCBI GI #                  | 52349059                         |
| Molecular Weight           | 47,342 Da                        |
| NCBI Official Full Name    | cytochrome P450-like enzyme CypA |
| UniProt Protein Name       | Cytochrome P450-like enzyme      |
| UniProt Gene Name          | <b>cypA</b>                      |
| UniProt Synonym Gene Names | BL02429; BLi02822                |
| UniProt Entry Name         | Q65GX1_BACLD                     |

**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/cypa-mouse-elisa-kits/cyclophilin-a/16636>