

## Rat cyclooxygenase-1 (COX-1) ELISA Kit | COX-1 elisa kit

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CATALOG #  
**AAA120917**

REACTIVITY  
**Rat**

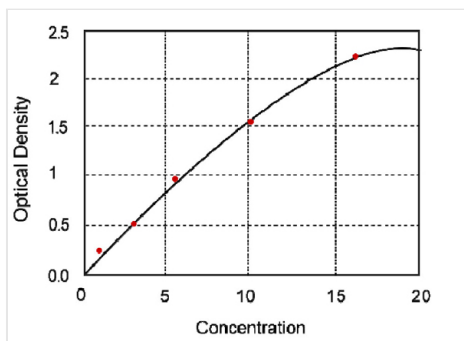
### PRODUCT SYNONYMS

cyclooxygenase-1 (COX-1); Rat cyclooxygenase-1 (COX-1) ELISA Kit; COX-1 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                  |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                                                                              |
| Assay Type              | Quantitative Sandwich                                                                                                                                                                            |
| Samples                 | Serum, plasma, cell culture supernates, Ascites, tissue homogenates or other biological fluids                                                                                                   |
| Detection Range         | 0.2-60ng/ml                                                                                                                                                                                      |
| Sensitivity             | 0.113ng/ml                                                                                                                                                                                       |
| Intra-assay Precision   | Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision. Intra-Assay: CV<8%                              |
| Inter-assay Precision   | Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision. CV(%) = SD/mean x 100. Inter-Assay: CV<10% |
| Preparation and Storage | Store at 2 to 8 degree C for 6 months.                                                                                                                                                           |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for COX-1 elisa kit

**Principle of the Assay:** This kit is an Enzyme-Linked Immunosorbent Assay (ELISA). The plate has been pre-coated with Rat COX-1 antibody. COX-1 present in the sample is added and binds to antibodies coated on the wells. And then biotinylated Rat COX-1 Antibody is added and binds to COX-1 in the sample. Then Streptavidin-HRP is added and binds to the Biotinylated COX-1 antibody. After incubation unbound Streptavidin-HRP is washed away during a washing step. Substrate solution is then added and color develops in proportion to the amount of Rat COX-1. The reaction is terminated by addition of acidic stop solution and absorbance is measured at 450 nm.

**Intended Uses:** This sandwich kit is for the accurate quantitative detection of Rat cyclooxygenase-1 (also known as COX-1) in serum, plasma, cell culture supernates, Ascites, tissue homogenates or other biological fluids.

**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/rat-elisa-kits/cyclooxygenase-1-cox-1/120917>