

## Most species Inositol Triphosphate (IP3) ELISA Kit | IP3 elisa kit

Inositol Triphosphate (IP3) ELISA Kit

CATALOG #  
**AAA20058**

REACTIVITY  
**Most species**

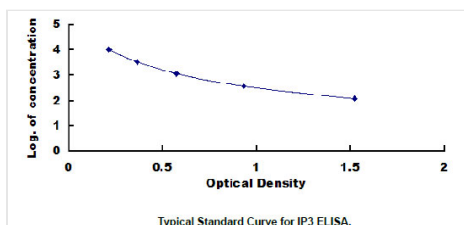
### PRODUCT SYNONYMS

Inositol Triphosphate (IP3); Inositol Triphosphate (IP3) ELISA Kit; ELISA Kit for Inositol Triphosphate (IP3); IP3 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| Reactivity              | Most species                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of IP3. No significant cross-reactivity or interference between IP3 and analogues was observed.                                                                                                                                                                                                                                                                                                                    |
| Assay Type              | Competitive                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Samples                 | Serum, Plasma, Tissue Homogenates, Cell Lysates, Cell Culture Supernates And Other Biological Fluids                                                                                                                                                                                                                                                                                                                                                                                       |
| Detection Range         | 123.5-10,000pg/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Sensitivity             | 45.4pg/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level IP3 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%                                                                                                                                                                                                                                                                                                                      |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level IP3 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%                                                                                                                                                                                                                                                                                    |
| Preparation and Storage | The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.<br>To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end. |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| Related Product Information for IP3 elisa kit | <p>Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of IP3 in serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.</p> <p>Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to IP3 has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled IP3 and unlabeled IP3 (Standards or samples) with the pre-coated antibody specific to IP3. After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of IP3 in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of IP3 in the sample.</p> |
| Product Categories/Family for IP3 elisa kit   | Signal transduction; Metabolic pathway; Endocrinology; Cardiovascular biology; Neuroscience; Hormone metabolism; Bone metabolism                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

**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/elisa-kits/inositol-triphosphate-ip3/20058>