

# Mouse Phosphatidylinositol-3,4,5-trisphosphate 5-phosphatase 1 ELISA Kit | Inpp5d elisa kit

Mouse Phosphatidylinositol-3,4,5-trisphosphate 5-phosphatase 1 ELISA Kit

|                              |                            |
|------------------------------|----------------------------|
| CATALOG #<br><b>AAA56392</b> | REACTIVITY<br><b>Mouse</b> |
|------------------------------|----------------------------|

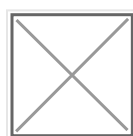
## PRODUCT SYNONYMS

Phosphatidylinositol-3; 4; 5-trisphosphate 5-phosphatase 1; Mouse Phosphatidylinositol-3; 5-trisphosphate 5-phosphatase 1 ELISA Kit; Inpp5d elisa kit

## PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                             |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                                       |
| Specificity             | This assay recognizes recombinant and natural Mouse Phosphatidylinositol-3,4,5-trisphosphate 5-phosphatase 1. No significant cross-reactivity or interference was observed. |
| Sequence Length         | 1190                                                                                                                                                                        |
| Assay Type              | Competitive                                                                                                                                                                 |
| Detection Range         | 0.78-50 ng/ml                                                                                                                                                               |
| Sensitivity             | 0.403 ng/mL                                                                                                                                                                 |
| Intra-Assay CV          | <=6.4%                                                                                                                                                                      |
| Inter-Assay CV          | <=8.8%                                                                                                                                                                      |
| Recovery                | 84%                                                                                                                                                                         |
| Preparation and Storage | For long term storage, please store the entire kit at -20 degree C.                                                                                                         |

## IMAGES



Standard Curve (Sample)

## ADDITIONAL INFORMATION

### Related Product Information for Inpp5d elisa kit

Principle of the Assay: The ELISA is based on the competitive binding enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Phosphatidylinositol-3,4,5-trisphosphate 5-phosphatase 1. During the reaction, Phosphatidylinositol-3,4,5-trisphosphate 5-phosphatase 1 in the sample or standard competes with a fixed amount of biotin-labeled Phosphatidylinositol-3,4,5-trisphosphate 5-phosphatase 1 for sites on a pre-coated Monoclonal antibody specific to Phosphatidylinositol-3,4,5-trisphosphate 5-phosphatase 1. Excess conjugate and unbound sample or standard are washed from the plate. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of Phosphatidylinositol-3,4,5-trisphosphate 5-phosphatase 1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                        |
|----------------------------------|----------------------------------------------------------------------------------------|
| NCBI GI #                        | 158854001                                                                              |
| NCBI GeneID                      | 16331                                                                                  |
| NCBI Accession #                 | NP_001103662.1                                                                         |
| NCBI GenBank Nucleotide #        | NM_001110192.2                                                                         |
| UniProt Accession #              | Q9ES52; Q3UPF9; Q4U212; Q61034; Q61173; Q61181; Q9JKR7; Q9JLF9; Q9JLG0; Q9QVN8; Q9WUC2 |
| Molecular Weight                 | 97,758 Da                                                                              |
| NCBI Official Full Name          | phosphatidylinositol 3,4,5-trisphosphate 5-phosphatase 1 isoform 2                     |
| NCBI Official Synonym Full Names | inositol polyphosphate-5-phosphatase D                                                 |
| NCBI Official Symbol             | Inpp5d                                                                                 |
| NCBI Official Synonym Symbols    | SHIP; SHIP1; SHIP-1; s-SHIP; SIP-145; p150Ship                                         |
| NCBI Protein Information         | phosphatidylinositol 3,4,5-trisphosphate 5-phosphatase 1                               |
| UniProt Protein Name             | Phosphatidylinositol 3,4,5-trisphosphate 5-phosphatase 1                               |
| UniProt Gene Name                | Inpp5d                                                                                 |
| UniProt Synonym Gene Names       | 7a33; Ship; Ship1; SIP-145; SH2 domain-containing inositol phosphatase 1; SHIP-1       |
| UniProt Entry Name               | SHIP1_MOUSE                                                                            |

**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/inpp5d-mouse-elisa-kits/phosphatidylinositol-345-trisphosphate-5-phosphatase-1/56392>