

Human Inositol Polyphosphate-5-Phosphatase 145kDa ELISA Kit | INPP5D elisa kit

Human Inositol Polyphosphate-5-Phosphatase 145kDa (INPP5D) ELISA Kit

CATALOG #
AAA144587

REACTIVITY
Human

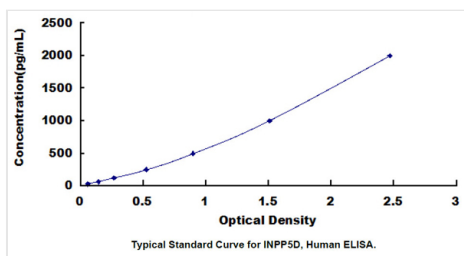
PRODUCT SYNONYMS

Inositol Polyphosphate-5-Phosphatase 145kDa; Human Inositol Polyphosphate-5-Phosphatase 145kDa (INPP5D) ELISA Kit; SHIP; SHIP1; SIP-145; hp51CN; Phosphatidylinositol-3; 4; 5-Trisphosphate 5-Phosphatase 1; SH2 domain-containing inositol 5'-phosphatase 1; INPP5D elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of INPP5D. No significant cross-reactivity or interference between INPP5D and analogues was observed.
Sequence Length	1131
Assay Type	Quantitative Sandwich
Samples	Human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	31.2-2,000pg/mL
Sensitivity	< 12.5pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level INPP5D 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 INPP5D 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. 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

Related Product Information for INPP5D elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to INPP5D. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to INPP5D. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain INPP5D, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of INPP5D in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of INPP5D in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for INPP5D elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	119591435
NCBI GeneID	3635
Molecular Weight	109,294 Da
NCBI Official Full Name	inositol polyphosphate-5-phosphatase, 145kDa, isoform CRA_a
NCBI Official Synonym Full Names	inositol polyphosphate-5-phosphatase D
NCBI Official Symbol	INPP5D
NCBI Official Synonym Symbols	SHIP; SHIP1; SHIP-1; hp51CN; 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	SHIP; SHIP1; SIP-145; SH2 domain-containing inositol phosphatase 1; SHIP-1; hp51CN
UniProt Entry Name	SHIP1_HUMAN

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-human-elisa-kits/inositol-polyphosphate-5-phosphatase-145kda/144587>