

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

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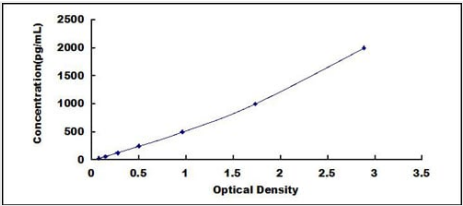
CATALOG # AAA187799	REACTIVITY Human
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PRODUCT SYNONYMS

Inositol Polyphosphate-5-Phosphatase 145kDa (INPP5D); 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 Inositol Polyphosphate-5-Phosphatase 145kDa (INPP5D). No significant cross-reactivity or interference between Inositol Polyphosphate-5-Phosphatase 145kDa (INPP5D) and analogues was observed.
Sequence Length	1131
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates and Other Biological Fluids
Detection Range	31.25-2000pg/mL
Sensitivity	< 13.5pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Inositol Polyphosphate-5-Phosphatase 145kDa (INPP5D) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Inositol Polyphosphate-5-Phosphatase 145kDa (INPP5D) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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.



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for INPP5D elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Inositol Polyphosphate-5-Phosphatase 145kDa (INPP5D). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Inositol Polyphosphate-5-Phosphatase 145kDa (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 Inositol Polyphosphate-5-Phosphatase 145kDa (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 Inositol Polyphosphate-5-Phosphatase 145kDa (INPP5D) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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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

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.