

Human Inositol Polyphosphate-4-Phosphatase Type I 107kDa (INPP4A) ELISA Kit | INPP4A elisa kit

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CATALOG # AAA67761	REACTIVITY Human
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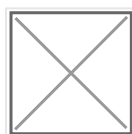
PRODUCT SYNONYMS

Inositol Polyphosphate-4-Phosphatase Type I 107kDa (INPP4A); Human Inositol Polyphosphate-4-Phosphatase Type I 107kDa (INPP4A) ELISA Kit; INPP4; Inositol polyphosphate 4-phosphatase type I; Type I inositol 3; 4-bisphosphate 4-phosphatase; INPP4A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of INPP4A. No significant cross-reactivity or interference between INPP4A and analogues was observed.
Sequence Length	977
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.059ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level INPP4A 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 INPP4A were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for INPP4A elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of INPP4A in human tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to INPP4A. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to INPP4A. 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 INPP4A, 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 INPP4A 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 #	197116359
NCBI GeneID	3631
NCBI Accession #	NP_001127696.1
NCBI GenBank Nucleotide #	NM_001134224.1
UniProt Accession #	Q96PE3; O15326; Q13187; Q53TD8; Q8TC02
Molecular Weight	107,297 Da
NCBI Official Full Name	type I inositol 3,4-bisphosphate 4-phosphatase isoform d
NCBI Official Synonym Full Names	inositol polyphosphate-4-phosphatase type I A
NCBI Official Symbol	INPP4A
NCBI Official Synonym Symbols	INPP4; TVAS1
NCBI Protein Information	type I inositol 3,4-bisphosphate 4-phosphatase
UniProt Protein Name	Type I inositol 3,4-bisphosphate 4-phosphatase
UniProt Gene Name	INPP4A

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/human-elisa-kits/inositol-polyphosphate-4-phosphatase-type-i-107kda-inpp4a/67761>