

Human IP6K1 (Inositol hexakisphosphate kinase 1) ELISA Kit | IP6K1 elisa kit

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CATALOG #
AAA248840

REACTIVITY
Human

PRODUCT SYNONYMS

IP6K1 (Inositol hexakisphosphate kinase 1); Human IP6K1 (Inositol hexakisphosphate kinase 1) ELISA Kit; IP6K1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of INTS3. No significant cross-reactivity or interference between INTS3 and analogues was observed.
Sequence Length	433
Samples	Serum, Plasma, Tissue Homogenates And Other Biological Fluids
Assay Type	Sandwich
Detection Range	78-5000pg/ml
Sensitivity	<46.9pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level INTS3 were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level INTS3 were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve

Results of a typical standard operation of a IP6K1 ELISA Kit are listed below. This standard curve was generated at our lab for demonstration purpose only. Users shall obtain standard curve as per experiment by themselves. (N/A-not applicable)

X	ng/ml	0	0.156	0.312	0.625	1.25	2.5	5	10
Y	OD450	0.092	0.141	0.215	0.299	0.527	0.885	1.612	2.304

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IP6K1 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-INTS3 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-INTS3 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the INTS3 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of INTS3 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	40254568
NCBI GeneID	27399
NCBI Accession #	NP_038813.2
NCBI GenBank Nucleotide #	NM_013785.2
UniProt Accession #	Q6PD10; Q9QXV6
Molecular Weight	49,307 Da
NCBI Official Full Name	inositol hexakisphosphate kinase 1
NCBI Official Synonym Full Names	inositol hexaphosphate kinase 1
NCBI Official Symbol	Ip6k1
NCBI Official Synonym Symbols	lhpk1; InsP6; Itpk6; InsP6k1; AU022776; 1200016D08Rik
NCBI Protein Information	inositol hexakisphosphate kinase 1
UniProt Protein Name	Inositol hexakisphosphate kinase 1
UniProt Gene Name	Ip6k1
UniProt Synonym Gene Names	lhpk1; InsP6 kinase 1

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://www.aaabiotech.com/human-elisa-kits/ip6k1-inositol-hexakisphosphate-kinase-1/248840>