

Human Inter Alpha-Globulin Inhibitor H4 (ITIH4) ELISA Kit | ITIH4 elisa kit

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CATALOG #
AAA65240

REACTIVITY
Human

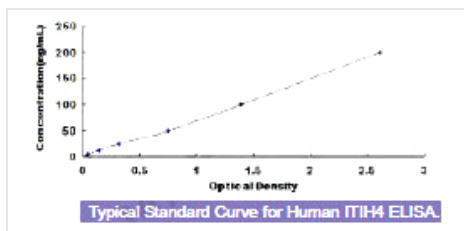
PRODUCT SYNONYMS

Inter Alpha-Globulin Inhibitor H4 (ITIH4); Human Inter Alpha-Globulin Inhibitor H4 (ITIH4) ELISA Kit; IHRP; PK120; H4P; ITIHL1; Plasma Kallikrein-Sensitive Glycoprotein; Plasma kallikrein sensitive glycoprotein 120; Inter-alpha-trypsin inhibitor family heavy chain-related protein; ITIH4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ITIH4. No significant cross-reactivity or interference between ITIH4 and analogues was observed.
Sequence Length	930
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Assay Type	Sandwich
Detection Range	3.125-200ng/mL
Sensitivity	1.46ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ITIH4 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 ITIH4 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 ITIH4 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ITIH4 in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to ITIH4. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to ITIH4. 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 ITIH4, 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 ITIH4 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 #	31542984
NCBI GeneID	3700
NCBI Accession #	NP_002209.2
NCBI GenBank Nucleotide #	NM_002218.4
UniProt Accession #	B2RMS9; Q14624
Molecular Weight	103,362 Da
NCBI Official Full Name	inter-alpha-trypsin inhibitor heavy chain H4 isoform 1
NCBI Official Synonym Full Names	inter-alpha-trypsin inhibitor heavy chain family member 4
NCBI Official Symbol	ITIH4
NCBI Official Synonym Symbols	H4P; IHRP; GP120; PK120; ITIHL1; PK-120; ITI-HC4
NCBI Protein Information	inter-alpha-trypsin inhibitor heavy chain H4
UniProt Protein Name	Inter-alpha (Globulin) inhibitor H4 (Plasma Kallikrein-sensitive glycoprotein)
UniProt Gene Name	ITIH4

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/inter-alpha-globulin-inhibitor-h4-itih4/65240>