

Human inter-alpha (globulin) inhibitor H4 (plasma Kallikrein-sensitive glycoprotein) ELISA Kit | ITIH4 elisa kit

Human Inter-alpha-trypsin inhibitor heavy chain H4, ITIH4/IHRP/ITIH1/PK120/PRO1851 ELISA Kit

CATALOG # AAA80896	REACTIVITY Human
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PRODUCT SYNONYMS

inter-alpha (globulin) inhibitor H4 (plasma Kallikrein-sensitive glycoprotein); Human Inter-alpha-trypsin inhibitor heavy chain H4; ITIH4/IHRP/ITIH1/PK120/PRO1851 ELISA Kit; Human Inter-alpha-trypsin inhibitor heavy chain H4 (ITIH4/IHRP/ITIH1/PK120/PRO1851) ELISA kit; DKFZp686G21125; H4P; IHRP; ITIH1; PK120; inter-alpha (globulin) inhibitor H4; inter-alpha-trypsin inhibitor; heavy chain-like; 1; heavy chain-related protein; plasma kal; ITIH4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human ITIH4 . No significant cross-reactivity or interference between human ITIH4 and analogues was observed.
Sequence Length	900
Samples	Serum, plasma and tissue homogenates
Assay Type	Sandwich
Detection Range	0.625 ng/ml -40 ng/ml.
Sensitivity	The minimum detectable dose of human ITIH4 is typically less than 0.156 ng/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ITIH4 elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for ITIH4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ITIH4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ITIH4 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of ITIH4 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	262050538
NCBI GeneID	3700
NCBI Accession #	NP_001159921.1
NCBI GenBank Nucleotide #	NM_001166449.1
UniProt Accession #	Q14624; Q15135; Q9P190; Q9UQ54; B7Z545; E9PGN5
Molecular Weight	103,357 Da
NCBI Official Full Name	inter-alpha-trypsin inhibitor heavy chain H4 isoform 2
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; ITI heavy chain H4; inter-alpha-inhibitor heavy chain 4; plasma kallikrein-sensitive glycoprotein 120; inter-alpha-trypsin inhibitor, heavy chain-like, 1; inter-alpha-trypsin inhibitor family heavy chain-related protein; inter-alpha (globulin) inhibitor H4 (plasma Kallikrein-sensitive glycoprotein)
UniProt Protein Name	Inter-alpha-trypsin inhibitor heavy chain H4
UniProt Gene Name	ITIH4
UniProt Synonym Gene Names	IHRP; ITIHL1; PK120; PRO1851; ITI heavy chain H4; ITI-HC4; Inter-alpha-inhibitor heavy chain 4; IHRP; Gp120; PK-120
UniProt Entry Name	ITIH4_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/itih4-human-elisa-kits/inter-alpha-globulin-inhibitor-h4-plasma-kallikrein-sensitive-glycoprotein/80896>