

Human Inter Alpha-Globulin Inhibitor H2 (ITIH2) ELISA Kit | ITIH2 elisa kit

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CATALOG #
AAA187382

REACTIVITY
Human

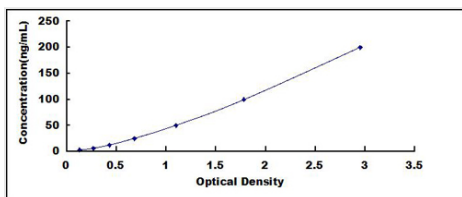
PRODUCT SYNONYMS

Inter Alpha-Globulin Inhibitor H2 (ITIH2); Human Inter Alpha-Globulin Inhibitor H2 (ITIH2) ELISA Kit; H2P; SHAP; IGHEP2; Serum-derived hyaluronan-associated protein; Inter-alpha-trypsin inhibitor complex component II; ITIH2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Inter Alpha-Globulin Inhibitor H2 (ITIH2). No significant cross-reactivity or interference between Inter Alpha-Globulin Inhibitor H2 (ITIH2) and analogues was observed.
Sequence Length	946
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates, Cell Lysates, Cell Culture Supernates and Other Biological Fluids
Detection Range	3.12-200ng/mL
Sensitivity	< 1.42ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Inter Alpha-Globulin Inhibitor H2 (ITIH2) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Inter Alpha-Globulin Inhibitor H2 (ITIH2) 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.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ITIH2 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 Inter Alpha-Globulin Inhibitor H2 (ITIH2). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Inter Alpha-Globulin Inhibitor H2 (ITIH2). 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 Inter Alpha-Globulin Inhibitor H2 (ITIH2), 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 Inter Alpha-Globulin Inhibitor H2 (ITIH2) 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 #	70778918
NCBI GeneID	3698
NCBI Accession #	NP_002207.2
NCBI GenBank Nucleotide #	NM_002216.2
UniProt Accession #	P19823; Q14659; Q15484; Q5T986
Molecular Weight	106,463 Da
NCBI Official Full Name	inter-alpha-trypsin inhibitor heavy chain H2
NCBI Official Synonym Full Names	inter-alpha-trypsin inhibitor heavy chain 2
NCBI Official Symbol	ITIH2
NCBI Official Synonym Symbols	H2P; SHAP
NCBI Protein Information	inter-alpha-trypsin inhibitor heavy chain H2
UniProt Protein Name	Inter-alpha-trypsin inhibitor heavy chain H2
UniProt Gene Name	ITIH2
UniProt Synonym Gene Names	IGHEP2; ITI heavy chain H2; ITI-HC2; Inter-alpha-inhibitor heavy chain 2; SHAP

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.