

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

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CATALOG #
AAA138464

REACTIVITY
Mouse

PRODUCT SYNONYMS

Inter Alpha-Globulin Inhibitor H4 (ITIH4); Mouse 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	Mouse
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	157
Assay Type	Quantitative Sandwich
Samples	Mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	7.8-500ng/mL
Sensitivity	< 3.3ng/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	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.

ADDITIONAL INFORMATION

Related Product Information for ITIH4 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to ITIH4. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody 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. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ITIH4 in mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for ITIH4 elisa kit	Metabolic pathway

NCBI AND UNIPROT INFORMATION

NCBI GI #	91694807
Molecular Weight	17,836 Da
NCBI Official Full Name	inter-alpha globulin inhibitor H4, partial
UniProt Protein Name	Inter-alpha globulin inhibitor H4
UniProt Entry Name	Q1PBV1_MARMO

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/mouse-elisa-kits/inter-alpha-globulin-inhibitor-h4-iti4/138464>