

Bovine Inter-alpha-trypsin inhibitor heavy chain H1 (ITIH1) ELISA Kit | ITIH1 elisa kit

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CATALOG #
AAA244992

REACTIVITY
Bovine

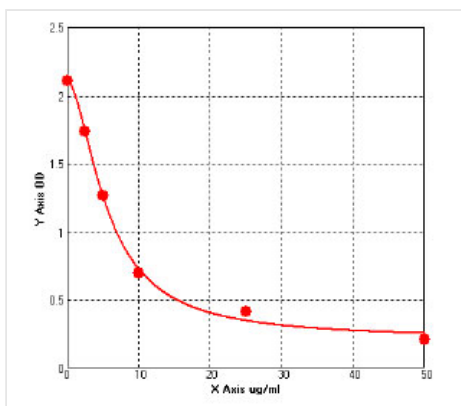
PRODUCT SYNONYMS

Inter-alpha-trypsin inhibitor heavy chain H1 (ITIH1); Bovine Inter-alpha-trypsin inhibitor heavy chain H1 (ITIH1) ELISA Kit; ITIH1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of ITIH1. No significant cross-reactivity or interference between ITIH1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ITIH1 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ?g/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ITIH1 elisa kit	Principle of the Assay: ITIH1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ITIH1 antibody and an ITIH1-HRP conjugate. The assay sample and buffer are incubated together with ITIH1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the ITIH1 concentration since ITIH1 from samples and ITIH1-HRP conjugate compete for the anti-ITIH1 antibody binding site. Since the number of sites is limited, as more sites are occupied by ITIH1 from the sample, fewer sites are left to bind ITIH1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ITIH1 concentration in each sample is interpolated from this standard curve. Intended Uses: This ITIH1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine ITIH1. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for ITIH1 elisa kit	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	156119625
NCBI GeneID	3697
NCBI Accession #	NP_002206.2
NCBI GenBank Nucleotide #	NM_002215.3
Molecular Weight	69,495 Da
NCBI Official Full Name	inter-alpha-trypsin inhibitor heavy chain H1 isoform a
NCBI Official Synonym Full Names	inter-alpha-trypsin inhibitor heavy chain 1
NCBI Official Symbol	ITIH1
NCBI Official Synonym Symbols	H1P; ITIH; SHAP; IATIH; IGHEP1; ITI-HC1
NCBI Protein Information	inter-alpha-trypsin inhibitor heavy chain H1; ITI heavy chain H1; inter-alpha (globulin) inhibitor H1; inter-alpha-inhibitor heavy chain 1; serum-derived hyaluronan-associated protein; inter-alpha (globulin) inhibitor, H1 polypeptide; inter-alpha-trypsin inhibitor complex component III
UniProt Protein Name	Inter-alpha-trypsin inhibitor heavy chain H1
UniProt Gene Name	ITIH1
UniProt Synonym Gene Names	IGHEP1; ITI heavy chain H1; ITI-HC1; Inter-alpha-inhibitor heavy chain 1; SHAP
UniProt Entry Name	ITIH1_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/bovine-ovine-elisa-kits/inter-alpha-trypsin-inhibitor-heavy-chain-h1-itih1/244992>