

Sheep Inter-alpha-trypsin inhibitor heavy chain H2 (ITIH2) ELISA Kit | ITIH2 elisa kit

Sheep Inter-alpha-trypsin inhibitor heavy chain H2 (ITIH2) ELISA Kit

CATALOG #
AAA247032

REACTIVITY
Sheep

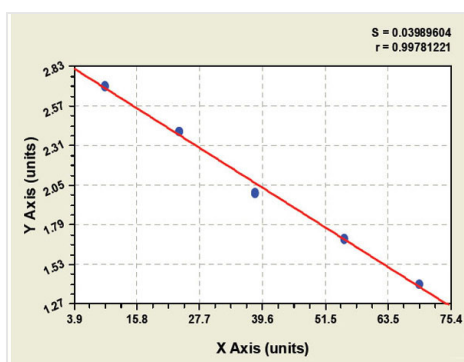
PRODUCT SYNONYMS

Inter-alpha-trypsin inhibitor heavy chain H2 (ITIH2); Sheep Inter-alpha-trypsin inhibitor heavy chain H2 (ITIH2) ELISA Kit; ITIH2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 mug/mL.
Intended Uses	This ITIH2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep ITIH2. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ITIH2 elisa kit

Principle of the assay: ITIH2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ITIH2 antibody and an ITIH2-HRP conjugate. The assay sample and buffer are incubated together with ITIH2-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 ITIH2 concentration since ITIH2 from samples and ITIH2-HRP conjugate compete for the anti-ITIH2 antibody binding site. Since the number of sites is limited, as more sites are occupied by ITIH2 from the sample, fewer sites are left to bind ITIH2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ITIH2 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for ITIH2 elisa kit

Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	70778918
NCBI GeneID	3698
NCBI Accession #	NP_002207.2
NCBI GenBank Nucleotide #	NM_002216.2
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; ITI-HC2; ITI heavy chain H2; inter-alpha (globulin) inhibitor H2; inter-alpha-inhibitor heavy chain 2; serum-derived hyaluronan-associated protein; inter-alpha (globulin) inhibitor, H2 polypeptide; inter-alpha-trypsin inhibitor complex component II
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
UniProt Entry Name	ITIH2_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/sheep-elisa-kits/inter-alpha-trypsin-inhibitor-heavy-chain-h2-itih2/247032>