

Sheep Interleukin 1beta converting enzyme ELISA Kit | ICE elisa kit

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CATALOG #
AAA89931

REACTIVITY
Sheep

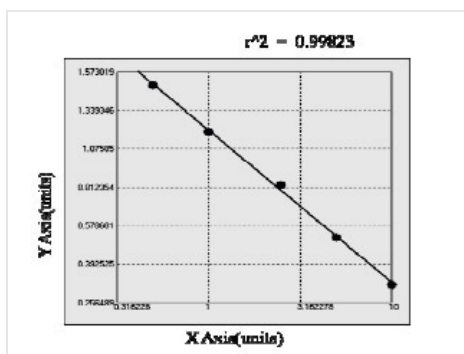
PRODUCT SYNONYMS

Interleukin 1beta converting enzyme; Sheep Interleukin 1beta converting enzyme ELISA Kit; Sheep Interleukin 1b converting enzyme ELISA Kit; ICE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This ICE ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep ICE. 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 ICE elisa kit

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

Product Categories/Family for ICE elisa kit

Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	126352357
NCBI GeneID	100033888
NCBI Accession #	NP_001075311.1
NCBI GenBank Nucleotide #	NM_001081842.1
Molecular Weight	45,331 Da
NCBI Official Full Name	caspase-1
NCBI Official Symbol	CASP1
NCBI Protein Information	caspase-1; ICE; p45; CASP-1; IL-1BC; IL-1 beta-converting enzyme; interleukin-1 beta convertase; interleukin-1 beta-converting enzyme; caspase 1, apoptosis-related cysteine peptidase (interleukin 1, beta, convertase)
UniProt Protein Name	Caspase-1
UniProt Gene Name	CASP1
UniProt Synonym Gene Names	IL1BC; CASP-1; IL-1BC; ICE; IL-1 beta-converting enzyme
UniProt Entry Name	CASP1_HORSE

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/ice-sheep-elisa-kits/interleukin-1beta-converting-enzyme/89931>