

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

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CATALOG #
AAA91000

REACTIVITY
Bovine

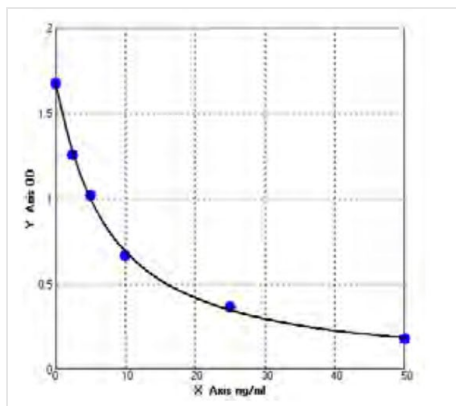
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of CASP1. No significant cross-reactivity or interference between CASP1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CASP1 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 ng/mL
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: CASP1 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-CASP1 antibody and an CASP1-HRP conjugate. The assay sample and buffer are incubated together with CASP1-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 CASP1 concentration since CASP1 from samples and CASP1-HRP conjugate compete for the anti-CASP1 antibody binding site. Since the number of sites is limited, as more sites are occupied by CASP1 from the sample, fewer sites are left to bind CASP1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CASP1 concentration in each sample is interpolated from this standard curve. Intended Uses: This CASP1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine CASP1. This ELISA kit for research use only, not for therapeutic or test applications!
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://www.aaabiotech.com/ice-bovine-ovine-elisa-kits/interleukin-1beta-converting-enzyme/91000>