

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

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CATALOG #
AAA27292

REACTIVITY
Mouse

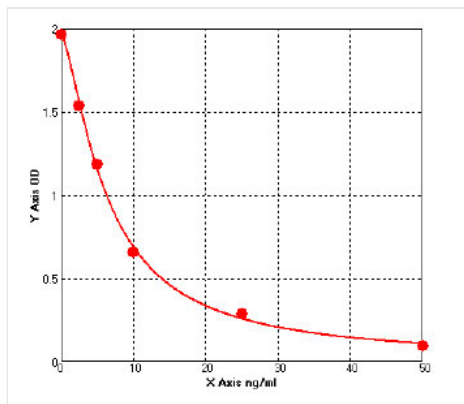
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of ICE. No significant cross-reactivity or interference between ICE and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ICE 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: ICE ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal 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. Intended Uses: This ICE ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse ICE. This ELISA kit for research use only, not for therapeutic or diagnostic 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://stage.aaabiotech.com/ice-mouse-elisa-kits/interleukin-1beta-converting-enzyme/27292>