

Rabbit Caspase 1 (Casp-1) ELISA Kit | CASP1 elisa kit

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CATALOG #
AAA246929

REACTIVITY
Rabbit

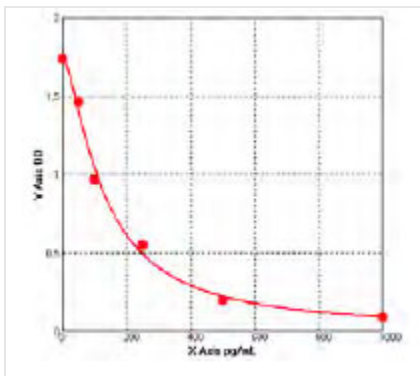
PRODUCT SYNONYMS

Caspase 1 (Casp-1); Rabbit Caspase 1 (Casp-1) ELISA Kit; CASP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rabbit
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CASP1 elisa kit

Intended Uses: This CASPASE-1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine CASPASE-1. This ELISA kit for research use only!

Principle of the Assay: CASPASE-1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CASPASE-1 antibody and an CASPASE-1-HRP conjugate. The assay sample and buffer are incubated together with CASPASE-1-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 CASPASE-1 concentration since CASPASE-1 from samples and CASPASE-1-HRP conjugate compete for the anti-CASPASE-1 antibody binding site. Since the number of sites is limited, as more sites are occupied by CASPASE-1 from the sample, fewer sites are left to bind CASPASE-1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CASPASE-1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	31542341
NCBI GeneID	25166
NCBI Accession #	NP_036894.2
NCBI GenBank Nucleotide #	NM_012762.2
Molecular Weight	45,576 Da
NCBI Official Full Name	caspase-1
NCBI Official Synonym Full Names	caspase 1
NCBI Official Symbol	Casp1
NCBI Official Synonym Symbols	Ice; Il1bc
NCBI Protein Information	caspase-1; p45; CASP-1; IL-1BC; IL-1 beta-converting enzyme; interleukin-1 beta convertase; interleukin 1, beta, convertase; Interleukin 1beta converting enzyme; interleukin-1 beta-converting enzyme
UniProt Protein Name	Caspase-1
UniProt Gene Name	Casp1
UniProt Synonym Gene Names	Il1bc; Il1bce; CASP-1; IL-1BC; ICE; IL-1 beta-converting enzyme
UniProt Entry Name	CASP1_RAT

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/casp1-rabbit-elisa-kits/caspase-1-casp-1/246929>