

Human Caspase 1 (Casp 1) ELISA Kit | CASP1 elisa kit

Human Caspase 1 (Casp 1) ELISA Kit

CATALOG #
AAA246024

REACTIVITY
Human

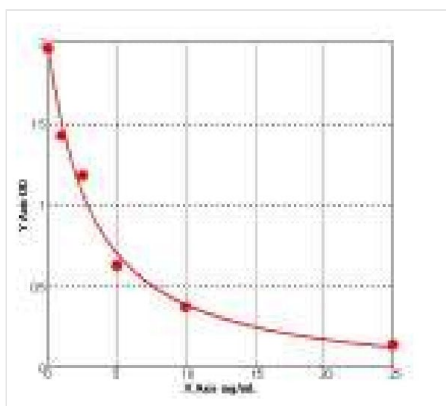
PRODUCT SYNONYMS

Caspase 1 (Casp 1); Human Caspase 1 (Casp 1) ELISA Kit; CASP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Caspase 1. No significant cross-reactivity or interference between Caspase 1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between Caspase 1 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 CASP1 elisa kit	Principle of the Assay: Caspase 1 ELISA kit applies the competitive enzyme immunoassay technique utilizing an 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. Intended Uses: This Caspase 1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human Caspase 1. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for CASP1 elisa kit	Neurobiology

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-human-elisa-kits/caspase-1-casp-1/246024>