

Human CASP1 ELISA Kit | CASP1 elisa kit

Human CASP1 (Caspase 1) ELISA Kit

CATALOG #
AAA164166

REACTIVITY
Human

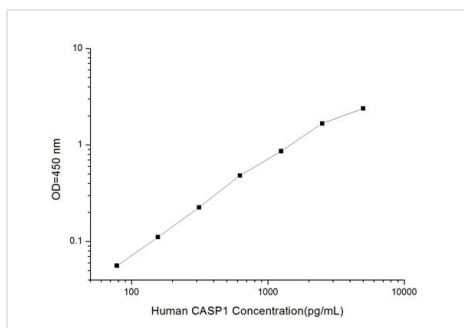
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human CASP1. No significant cross-reactivity or interference between Human CASP1 and analogues was observed. Note: Limited by current skills and knowledge, it is impossible for us to complete the cross- reactivity detection between Human CASP1 and all the analogues, therefore, cross reaction may still exist.
Sequence Length	383
Samples	Serum, Plasma, Biological Fluids
Assay Type	Sandwich
Detection Range	78.125-5000pg/mL
Sensitivity	Min: 46.875pg/mL; Max: 5000pg/mL
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CASP1 elisa kit	Description: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CASP1 in human serum, plasma and other biological fluids Principle of the Assay: This ELISA kit uses Sandwich-ELISA as the method. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Human CASP1. Standards or samples are added to the appropriate micro ELISA plate wells and bound by the specific antibody. Then a biotinylated detection antibody specific for Human CASP1 and Avidin-Horseradish Peroxidase (HRP) conjugate is added to each micro plate well successively and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Human CASP1, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of Human CASP1. You can calculate the concentration of Human CASP1 in the samples by comparing the OD of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	380254459
NCBI GeneID	834
NCBI Accession #	NP_001244048.1
NCBI GenBank Nucleotide #	NM_001257119.2
UniProt Accession #	P29466; Q53EY6; Q6DMQ1; Q6GSS3; Q6PI75; Q9UCN3; B5MDZ1
Molecular Weight	10,417 Da
NCBI Official Full Name	caspase-1 isoform beta
NCBI Official Synonym Full Names	caspase 1, apoptosis-related cysteine peptidase
NCBI Official Symbol	CASP1
NCBI Official Synonym Symbols	ICE; P45; IL1BC
NCBI Protein Information	caspase-1; CASP1 nirs variant 1; IL-1 beta-converting enzyme; IL1B-convertase; caspase 1, apoptosis-related cysteine peptidase (interleukin 1, beta, convertase); interleukin 1-B 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_HUMAN

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.