

Human CASP1 (Caspase 1) CLIA Kit | CASP1 clia kit

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CATALOG #
AAA170955

REACTIVITY
Human

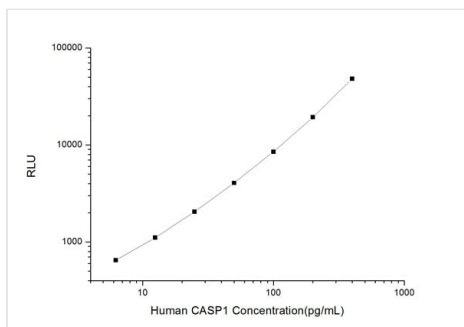
PRODUCT SYNONYMS

CASP1 (Caspase 1); Human CASP1 (Caspase 1) CLIA Kit; ICE; IL1BC; P45; Interleukin 1 Beta Converting Enzyme; Apoptosis-Related Cysteine Peptidase; CASP1 clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This kit recognizes natural and recombinant CASP1. No significant cross-reactivity or interference between CASP1 and analogues was observed.
Sequence Length	402
Assay Type	Sandwich
Detection Range	6.25-400pg/mL
Sensitivity	Min: 3.75pg/mL; Max: 400pg/mL

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CASP1 clia kit

Intended Uses: This CLIA kit applies to the in vitro quantitative determination of CASP1 concentrations in serum, plasma and other biological fluids.

Principle of the Assay: This kit uses Sandwich-CLIA as the method. The micro CLIA plate provided in this kit has been pre-coated with an antibody specific to CASP1. Standards or samples are added to the appropriate micro CLIA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for 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 CASP1, biotinylated detection antibody and Avidin-HRP conjugate will appear fluorescence. The Relative light unit (RLU) value is measured spectrophotometrically by the Chemiluminescence immunoassay analyzer. The RLU value is positively associated with the concentration of CASP1. You can calculate the concentration of CASP1 in the samples by comparing the RLU value of the samples to the 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
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.

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Online datasheet: <https://stage.aaabiotech.com/human-clia-kits/casp1-caspase-1/170955>