

Rat Caspase 1 ELISA Kit | CASP1 elisa kit

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CATALOG #
AAA102401

REACTIVITY
Rat

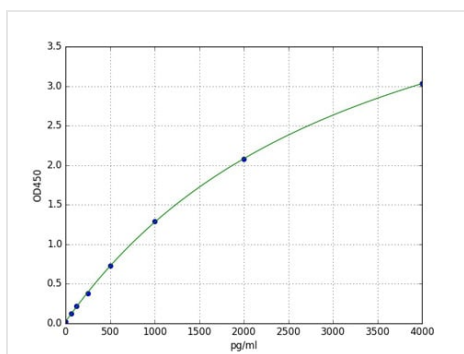
PRODUCT SYNONYMS

Caspase 1; Rat Caspase 1 ELISA Kit; CASP1/Caspase-1/ICE/CASP-1/ICEP45/IL-1 beta-converting enzyme/IL-1BC/IL1BCCASP1 nirs variant 1/IL1BCE/IL1B-convertase/interleukin 1-B converting enzyme/interleukin 1-beta convertase; CASP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	402
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	62.5-4000pg/ml
Sensitivity	37.5pg/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Rat CASP1 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment (N/A=not applicable)

X	pg/ml	0	62.5	125	250	500	1000	2000	4000
Y	OD450	0.005	0.043	0.081	0.175	0.486	0.941	1.667	2.320

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CASP1 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Rat CASP1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat CASP1 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Rat CASP1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat CASP1 can be calculated.

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://www.aaabiotech.com/casp1-rat-elisa-kits/caspase-1/102401>