

Rat Caspase 7 (CASP7) ELISA Kit | CASP7 elisa kit

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CATALOG #
AAA65007

REACTIVITY
Rat

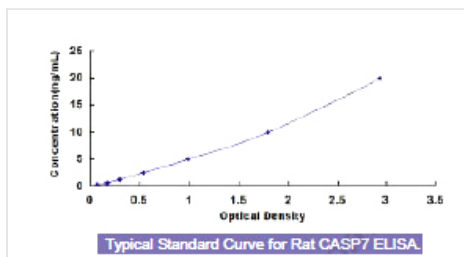
PRODUCT SYNONYMS

Caspase 7 (CASP7); Rat Caspase 7 (CASP7) ELISA Kit; CMH1; ICE-LAP3; MCH3; Caspase 7 Apoptosis-Related Cysteine Peptidase; Cysteine Aspartate Protease 7; Cysteine Aspartate Specific Proteinases 7; CASP7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of CASP7. No significant cross-reactivity or interference between CASP7 and analogues was observed.
Sequence Length	303
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.117ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CASP7 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CASP7 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CASP7 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CASP7 in rat tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CASP7. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CASP7. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain CASP7, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of CASP7 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	11560075
NCBI GeneID	64026
NCBI Accession #	NP_071596.1
NCBI GenBank Nucleotide #	NM_022260.3
UniProt Accession #	O88550
Molecular Weight	34,324 Da
NCBI Official Full Name	caspase-7
NCBI Official Synonym Full Names	caspase 7
NCBI Official Symbol	Casp7
NCBI Protein Information	caspase-7
UniProt Protein Name	Caspase 7
UniProt Gene Name	Casp7

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.