

Rat Caspase 14 (CASP14) ELISA Kit | CASP14 elisa kit

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CATALOG #
AAA65752

REACTIVITY
Rat

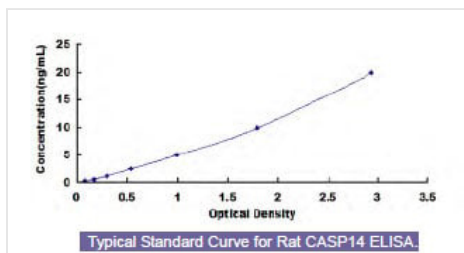
PRODUCT SYNONYMS

Caspase 14 (CASP14); Rat Caspase 14 (CASP14) ELISA Kit; Caspase 14 Apoptosis-Related Cysteine Peptidase; Cysteiny Aspartate Specific Proteinases 14; CASP14 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of CASP14. No significant cross-reactivity or interference between CASP14 and analogues was observed.
Sequence Length	246
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.103ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CASP14 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 CASP14 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 CASP14 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CASP14 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 CASP14. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CASP14. 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 CASP14, 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 CASP14 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 #	300796210
NCBI GeneID	299587
NCBI Accession #	NP_001178705.1
NCBI GenBank Nucleotide #	NM_001191776.1
UniProt Accession #	D3ZZ65
Molecular Weight	28,255 Da
NCBI Official Full Name	caspase-14
NCBI Official Synonym Full Names	caspase 14
NCBI Official Symbol	Casp14
NCBI Protein Information	caspase-14
UniProt Protein Name	Protein Casp14
UniProt Gene Name	Casp14

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.