

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

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CATALOG #
AAA20500

REACTIVITY
Human

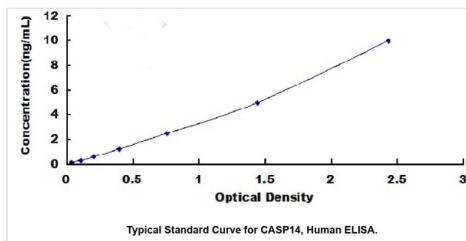
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
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	242
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.056ng/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	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CASP14 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to CASP14. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody 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. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CASP14 in human tissue homogenates, cell lysates and other biological fluids.
Product Categories/Family for CASP14 elisa kit	Apoptosis

NCBI AND UNIPROT INFORMATION

NCBI GI #	6912286
NCBI GeneID	23581
NCBI Accession #	NP_036246.1
NCBI GenBank Nucleotide #	NM_012114.2
UniProt Accession #	P31944; O95823; Q3SYC9
Molecular Weight	27,680 Da
NCBI Official Full Name	caspase-14
NCBI Official Synonym Full Names	caspase 14, apoptosis-related cysteine peptidase
NCBI Official Symbol	CASP14
NCBI Protein Information	caspase-14
UniProt Protein Name	Caspase-14
UniProt Gene Name	CASP14
UniProt Synonym Gene Names	CASP-14
UniProt Entry Name	CASPE_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.