

Human Caspase 8 ELISA Kit | CASP8 elisa kit

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CATALOG #
AAA263024

REACTIVITY
Human

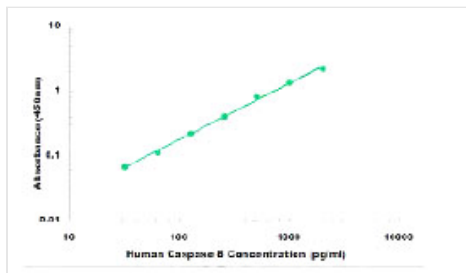
PRODUCT SYNONYMS

Caspase 8; Human Caspase 8 ELISA Kit; MCH5; Caspase-8; CASP-8; Apoptotic cysteine protease; Apoptotic protease Mch-5; CAP4; FADD-homologous ICE/ced-3-like protease; FADD-like ICE; FLICE; ICE-like apoptotic protease 5; MORT1-associated ced-3 homolog; MACH; CASP8 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human Caspase 8 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human Caspase 8 proteins within the range of 31.2 pg/ml - 2000 pg/ml.
Sequence Length	464
Samples	Cell Culture Supernates, Serum, Tissue Homogenates
Sensitivity	<10 pg/ml
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CASP8 elisa kit	Principle of the Assay: The Human Caspase 8 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human Caspase 8 in Cell Culture Supernates, Serum, Tissue Homogenates. This assay employs an antibody specific for Human Caspase 8 coated on a 96-well plate. Standards and samples are pipetted into the wells and Caspase 8 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human Caspase 8 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of Caspase 8 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. Background: Caspase-8 is a caspase protein, encoded by the CASP8 gene. It is mapped to human chromosome 2q33-q34 and mouse chromosome 1B-proximal C. This gene encodes a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes composed of a prodomain, a large protease subunit, and a small protease subunit. Activation of caspases requires proteolytic processing at conserved internal aspartic residues to generate a heterodimeric enzyme consisting of the large and small subunits. This protein is involved in the programmed cell death induced by Fas and various apoptotic stimuli. The N-terminal FADD-like death effector domain of this protein suggests that it may interact with Fas-interacting protein FADD. And this protein was detected in the insoluble fraction of the affected brain region from Huntington disease patients but not in those from normal controls, which implicated the role in neurodegenerative diseases. Many alternatively spliced transcript variants encoding different isoforms have been described, although not all variants have had their full-length sequences determined.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	122056474
NCBI GeneID	841
NCBI Accession #	NP_001073593.1
NCBI GenBank Nucleotide #	NM_001080124.1
UniProt Accession #	Q14790; O14676; Q14791; Q14792; Q14793; Q14794; Q14795; Q14796; Q15780; Q15806; Q53TT5; Q8TDI1
Molecular Weight	61,836 Da
NCBI Official Full Name	caspase-8 isoform C
NCBI Official Synonym Full Names	caspase 8
NCBI Official Symbol	CASP8
NCBI Official Synonym Symbols	CAP4; MACH; MCH5; FLICE; ALPS2B; Casp-8
NCBI Protein Information	caspase-8
UniProt Protein Name	Caspase-8
UniProt Gene Name	CASP8
UniProt Synonym Gene Names	MCH5; CASP-8; FLICE; MACH
UniProt Entry Name	CASP8_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.