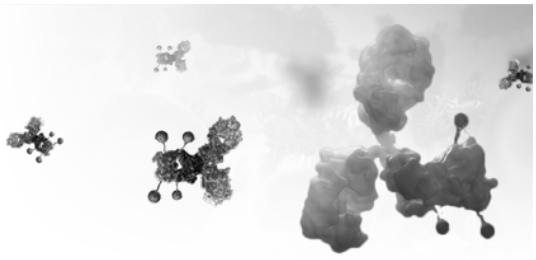

CASP1 blocking peptide (CDBP5251)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a protein which is 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 which undergo proteolytic processing at conserved aspartic residues to produce 2 subunits, large and small, that dimerize to form the active enzyme. This gene was identified by its ability to proteolytically cleave and activate the inactive precursor of interleukin-1, a cytokine involved in the processes such as inflammation, septic shock, and wound healing. This gene has been shown to induce cell apoptosis and may function in various developmental stages. Studies of a similar gene in mouse suggest a role in the pathogenesis of Huntington disease. Alternative splicing results in transcript variants encoding distinct isoforms. [provided by RefSeq, Mar 2012]
Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 µg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

GENE INFORMATION

Gene Name	CASP1 caspase 1, apoptosis-related cysteine peptidase [Homo sapiens (human)]
Official Symbol	CASP1

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Synonyms	CASP1; caspase 1, apoptosis-related cysteine peptidase; ICE; P45; IL1BC; caspase-1; IL1B-convertase; CASP1 nirs variant 1; IL-1 beta-converting enzyme; interleukin 1, beta, convertase; interleukin 1-B converting enzyme; caspase 1, apoptosis-related cysteine peptidase (interleukin 1, beta, convertase)
Entrez Gene ID	834
mRNA Refseq	NM_001223
Protein Refseq	NP_001214
UniProt ID	P29466
Pathway	Amyotrophic lateral sclerosis (ALS); Apoptosis; Caspase cascade in apoptosis; Cellular roles of Anthrax toxin; Cytokine Signaling in Immune system; Cytosolic DNA-sensing pathway; Direct p53 effectors; IFN-gamma pathway
Function	cysteine-type endopeptidase activator activity involved in apoptotic process; cysteine-type endopeptidase activity; cysteine-type endopeptidase activity; endopeptidase activity; protein binding

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