



# CASP10 blocking peptide (CDBP5248)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	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 two subunits, large and small, that dimerize to form the active enzyme. This protein cleaves and activates caspases 3 and 7, and the protein itself is processed by caspase 8. Mutations in this gene are associated with type IIA autoimmune lymphoproliferative syndrome, non-Hodgkin lymphoma and gastric cancer. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Apr 2011]
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<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Used as a blocking peptide in immunoblotting applications.
<b>Format</b>	Liquid
<b>Concentration</b>	200 µg/mL
<b>Size</b>	0.05 mg
<b>Preservative</b>	None
<b>Storage</b>	-20°C

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">CASP10 caspase 10, apoptosis-related cysteine peptidase [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	CASP10
<b>Synonyms</b>	CASP10; caspase 10, apoptosis-related cysteine peptidase; MCH4; ALPS2; FLICE2; caspase-

10; CASP-10; FADD-like ICE2; apoptotic protease MCH-4; ICE-like apoptotic protease 4; interleukin-1B-converting enzyme 2; caspase 10, apoptosis-related cysteine protease; FAS-associated death domain protein interleukin-1B-converting enzyme 2

Entrez Gene ID	<a href="#">843</a>
mRNA Refseq	<a href="#">NM_001206524</a>
Protein Refseq	<a href="#">NP_001193453</a>
UniProt ID	Q92851
Pathway	Apoptosis; Apoptosis Modulation and Signaling; Caspase cascade in apoptosis; Death Receptor Signalling; Direct p53 effectors; Extrinsic Pathway for Apoptosis; FAS (CD95) signaling pathway; FAS pathway and Stress induction of HSP regulation
Function	cysteine-type endopeptidase activity; cysteine-type endopeptidase activity involved in apoptotic signaling pathway; death effector domain binding; protein binding; ubiquitin protein ligase binding