



CASP10 blocking peptide (DAG-P0220)

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 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]
Specificity	Detectable in most tissues. Lowest expression is seen in brain, kidney, prostate, testis and colon.
Purity	> 95 % by SDS-PAGE.
Conjugate	Unconjugated
Applications	WB, BL
Sequence Similarities	Belongs to the peptidase C14A family. Contains 2 DED (death effector) domains.
Format	Liquid
Buffer	Preservative: 0.02% Sodium Azide Constituents: 0.1% BSA, PBS, pH 7.2
Preservative	0.02% Thimerosal
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. Preservative: 0.02% Sodium Azide Constituents: 0.1% BSA, PBS, pH 7.2

GENE INFORMATION

Gene Name	CASP10 caspase 10, apoptosis-related cysteine peptidase [Homo sapiens (human)]
Official Symbol	CASP10
Synonyms	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	843
mRNA Refseq	NM_001206524.1
Protein Refseq	NP_001193453.1
UniProt ID	Q92851
Chromosome Location	2q33-q34
Pathway	Apoptosis, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptosis, conserved biosystem; Apoptosis, organism-specific biosystem; Apoptosis Modulation and Signaling, organism-specific biosystem; Caspase cascade in apoptosis, organism-specific biosystem; Death Receptor Signalling, organism-specific biosystem; Direct p53 effectors, organism-specific biosystem; Extrinsic Pathway for Apoptosis, organism-specific biosystem; FAS (CD95) signaling pathway, organism-specific biosyst
Function	cysteine-type endopeptidase activity; cysteine-type endopeptidase activity involved in apoptotic signaling pathway; death effector domain binding; protein binding; ubiquitin protein ligase binding;