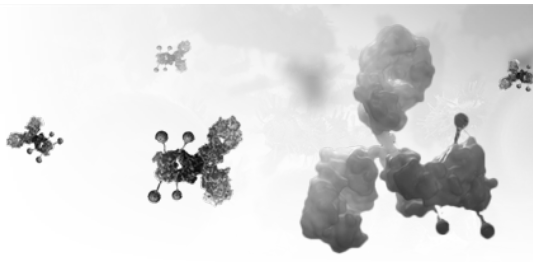

XIAP blocking peptide (DAG-P2047)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a protein that belongs to a family of apoptotic suppressor proteins. Members of this family share a conserved motif termed, baculovirus IAP repeat, which is necessary for their anti-apoptotic function. This protein functions through binding to tumor necrosis factor receptor-associated factors TRAF1 and TRAF2 and inhibits apoptosis induced by menadione, a potent inducer of free radicals, and interleukin 1-beta converting enzyme. This protein also inhibits at least two members of the caspase family of cell-death proteases, caspase-3 and caspase-7. Mutations in this gene are the cause of X-linked lymphoproliferative syndrome. Alternate splicing results in multiple transcript variants. Pseudogenes of this gene are found on chromosomes 2 and 11.[provided by RefSeq, Feb 2011]
Specificity	Ubiquitous, except peripheral blood leukocytes.
Conjugate	Unconjugated
Applications	BL, WB
Sequence Similarities	Belongs to the IAP family.Contains 3 BIR repeats.Contains 1 RING-type zinc finger.
Format	Liquid
Buffer	Preservative: 0.02% Thimerosal (merthiolate) 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% Thimerosal (merthiolate) Constituents: 0.1% BSA, PBS, pH 7.2

GENE INFORMATION

Gene Name	XIAP X-linked inhibitor of apoptosis [Homo sapiens (human)]

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Official Symbol	XIAP
Synonyms	XIAP; X-linked inhibitor of apoptosis; API3; ILP1; MIHA; XLP2; BIRC4; IAP-3; hIAP3; hIAP-3; E3 ubiquitin-protein ligase XIAP; X-linked IAP; IAP-like protein; inhibitor of apoptosis protein 3; baculoviral IAP repeat-containing protein 4;
Entrez Gene ID	331
mRNA Refseq	NM_001167.3
Protein Refseq	NP_001158.2
UniProt ID	P98170
Chromosome Location	Xq25
Pathway	Apoptosis, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptosis, conserved biosystem; Apoptosis, organism-specific biosystem; Apoptotic factor-mediated response, organism-specific biosystem; BMP receptor signaling, organism-specific biosystem; Caspase cascade in apoptosis, organism-specific biosystem; Focal adhesion, organism-specific biosystem; Focal adhesion, conserved biosystem; HTLV-I infection, organism-specific biosystem; HTLV-I infection, conserved biosystem; Int
Function	cysteine-type endopeptidase inhibitor activity involved in apoptotic process; protein binding; ubiquitin-protein ligase activity; zinc ion binding;

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