Technical Data Sheet

Purified Mouse Anti-XIAP

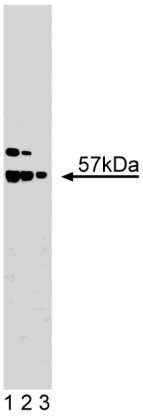
Product Information

Material Number:	**610763**
Alternate Name:	hILP
Size:	150 µg
Concentration:	250 µg/ml
Clone:	48/hILP/XIAP
Immunogen:	Human hILP aa. 268-426
Isotype:	Mouse IgG1
Reactivity:	QC Testing: Human Tested in Development: Rat, Mouse, Frog
Target MW:	57 kDa
Storage Buffer:	Aqueous buffered solution containing BSA, glycerol, and ≤0.09% sodium azide.

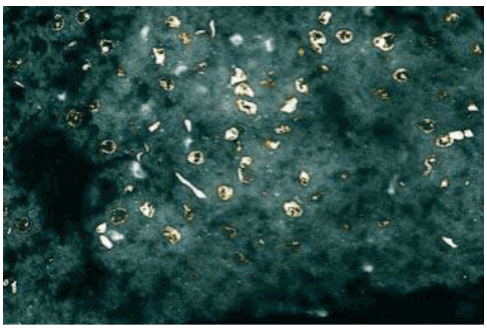
Description

Apoptosis is a genetically programmed, selective process of cell death that occurs during normal cell differentiation and development of multicellular organisms. Viruses depend on the biosynthetic machinery of their host cell for the production of progeny and survival. Therefore, many viruses encode proteins that protect the cell from apoptosis. hILP (**h**uman **I**AP-like **p**rotein) is a human homologue of the viral IAP (**I**nhibitor of **A**poptosis **P**rotein). hILP is a widely expressed cytoplasmic protein of 497 amino acids with three BIR (Baculovirus IAP repeats) domains and a C-terminal RING finger domain. hILP-transfected cells are protected against the apoptotic effects of Sindbis virus infection and ICE (interleukin-1β converting enzyme) expression. This product is sold under license from Aegera Therapeutics, Inc.

This antibody is routinely tested by western blot analysis. Other applications were tested at BD Biosciences Pharmingen during antibody development only or reported in the literature.



Western blot analysis of hILP/XIAP on Jurkat lysate. *Lane 1: 1:4000, lane 2: 1:8000, lane 3: 1:12000 dilution of anti-XIAP.*



Immunofluorescent staining of Rabbit Liver tissue with anti-XIAP antibody.

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
Store undiluted at -20°C.

Application Notes

Application

Western blot	Routinely Tested
Immunofluorescence	Tested During Development

BD Biosciences

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Immunohistochemistry	Tested During Development
Immunoprecipitation	Not Recommended

Suggested Companion Products

Catalog Number	Name	Size	Clone
611451	Jurkat Cell Lysate	500 µg	(none)
554001	FITC Goat Anti-Mouse Ig	0.5 mg	Polyclonal
554002	HRP Goat Anti-Mouse Ig	1.0 ml	(none)

Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.
3. Source of all serum proteins is from USDA inspected abattoirs located in the United States.
4. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.

References

Deng Y, Lin Y, Wu X. TRAIL-induced apoptosis requires Bax-dependent mitochondrial release of Smac/DIABLO. *Genes Dev.* 2002; 16(1):33-45. (Clone-specific: Western blot)

Duckett CS, Nava VE, Gedrich RW. A conserved family of cellular genes related to the baculovirus iap gene and encoding apoptosis inhibitors. *EMBO J.* 1996; 15(11):2685-2694. (Biology)

Fulda S, Meyer E, Debatin KM. Metabolic inhibitors sensitize for CD95 (APO-1/Fas)-induced apoptosis by down-regulating Fas-associated death domain-like interleukin 1-converting enzyme inhibitory protein expression. *Cancer Res.* 2000; 60(14):3947-3956. (Clone-specific: Western blot)

Martins LM, Iaccarino I, Tenev T. The serine protease Omi/HtrA2 regulates apoptosis by binding XIAP through a reaper-like motif. *J Biol Chem.* 2002; 277(1):439-444. (Clone-specific: Western blot)

Tamm I, Kornblau SM, Segall H. Expression and prognostic significance of IAP-family genes in human cancers and myeloid leukemias. *Clin Cancer Res.* 2000; 6(5):1796-1803. (Clone-specific: Western blot)