

Technical Data Sheet

Apoptosis I Sampler Kit

Product Information

Material Number:	612741
Size:	10 µg
Concentration:	250 µg/ml
Storage Buffer:	Aqueous buffered solution containing BSA, glycerol, and ≤0.09% sodium azide.

Description

Apoptosis is a selective process of genetically programmed cell death which occurs during normal cellular differentiation and development of multicellular organisms. This process is also involved in tissue homeostasis, pathological conditions and aging. Cells undergoing apoptosis are characterized by cell volume loss, plasma membrane blebbing, nuclear condensation, and endonucleolytic degradation of DNA at nucleosomal intervals. In vertebrates, T cell development in the thymus and development of the nervous system are probably the best characterized systems for the study of programmed cell death. Studies of the bcl-2 oncogene suggest additional pathways that may involve other proteins that could regulate Bcl-2 activity. Several new Bcl-2 related proteins, such as Bcl-x and Bad, have been discovered, along with the isolation of other new proteins with a role in apoptosis.

Antibody	Cat# (50µg)	Isotype	MW	WB	IP	IF	IH	Human	Dog	Rat	Mouse	Chick	Control	Dilution
Apaf-1	611364	IgG1	130	+		+		+					Hu Endothelial	1:250
Bad	610391	IgG2b	23	+	-	+	+	+		+	+		A431	1:500
Bax	610982	IgG1	21	+	nat/den	+		+	+				HepG2	1:250
Bcl-2	610538	IgG1	26	+	nat/den	+	+	+	+	+	+	+	Jurkat	1:500
Bcl-x	610746	IgG1	26	+	-	+	+	+		+	+		Hu Endothelial	1:500
Bruce	611192	IgG1	528	+		+		+	+	+	+		HeLa	1:250
hILP/XIAP	610716	IgG1	57	+	-	+	-	+	+		+		HeLa	1:250
Nip1	611096	IgG1	26	+		+		+		+			A431	1:250
p53	610183	IgG2b	53	+	nat/den	+	-	+	+				A431	1:500

IP: nat = native condition, den = denaturing conditions

Dilutions are recommended based on western blotting on the indicated positive control.

This kit includes 10 µg of each antibody listed at a concentration of 250 µg/mL. No substitutions allowed.

Preparation and Storage

Store undiluted at -20°C.

Application Notes

Application

Western blot	Routinely Tested
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Suggested Companion Products

Catalog Number	Name	Size	Clone
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. Source of all serum proteins is from USDA inspected abattoirs located in the United States.
3. 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.
4. Please refer to www.bdbiosciences.com/pharming/protocols for technical protocols.

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