

Technical Data Sheet

Apoptosis Sampler Kit II

Product Information

Material Number:	612743
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
Caspase-2/ICH-1L	611022	IgG1	48	+		+		+					Jurkat	1:1000
Caspase-3/CPP32	610322	IgG2a	32	+	nat/den	+	-	+	-	-	-	-	Jurkat	1:1000
Caspase-3/CPP32	611048	IgG1	32	+	den	+					+		RSV-3T3	1:1000
Caspase-7/MCH-3	610812	IgG2b	35	+	-	+	-	+	+				HepG2	1:1000
DFF45	611036	IgG1	45	+		+		+					Jurkat	1:500
FADD	610399	IgG1	24	+	-	+	-	+					A431	1:250
Fas/CD95/APO-1	610197	IgG2a	45	+	-	+	+	+	+	+	+	+	Jurkat	1:5000
PARP	611038	IgG1	113	+		+		+	+	+	+		Jurkat	1:500
RIP	610458	IgG2a	74	+	nat/den	+	-	+	+	+	+	+	Human Endothelial	1:1000
TRADD	610572	IgG1	34	+	den	+	+	+		+			Jurkat	1:250

IP: nat = native condition, den = denatured conditions

Dilutions are recommended for use by Western Blot with positive control.

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

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
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Recommended Assay Procedure:

For Western Blot resources, please reference <http://www.bdbiosciences.com/resources/cellbiology/index.jsp>

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. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.
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. Source of all serum proteins is from USDA inspected abattoirs located in the United States.

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