



Mouse Anti-Human Caspase-3

Cat. No.	Format	Size
17200-01	Purified (UNLB)	0.1 mg
17200-05	Horseradish Peroxidase (HRP)	1.0 mL

Overview

Clone	SB71b
Isotype	Mouse (BALB/c) IgG _{2a} K
Immunogen	Recombinant human caspase-3
Specificity	Human caspase-3
Alternate Name(s)	SPP32, Yama, apopain

Description

The caspases are a family of cysteine proteases that induce apoptosis in response to a variety of intra- and extracellular stimuli. These enzymes are synthesized as inactive precursors which become cleaved at aspartate-specific sites upon induction of apoptosis. Caspase-3 is one of the best characterized caspases in terms of specificity and function in apoptosis. It is a ubiquitously expressed protein in mammals and is highly prevalent in cells with lymphocytic origins, indicating a regulatory role in the immune system. Caspase-3 plays a critical role during embryonic development by inducing morphogenetic cell death in the mammalian brain and has also been linked to chromatin condensation, DNA fragmentation, and blebbing.

The SB71b monoclonal antibody detects endogenous levels of full length caspase-3 (35 kDa) and the large fragment of caspase-3 resulting from cleavage (17 kDa).

Applications

WB – Quality tested

Working Dilutions

Immunoblotting	Purified (UNLB) antibody	≤ 5 µg/mL
	HRP conjugate	1:500 – 1:2,000

Other Applications Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need.

Handling and Storage

- The purified (UNLB) antibody is supplied as 0.1 mg of purified immunoglobulin in 0.1 mL of borate buffered saline, pH 8.2. *No preservatives or amine-containing buffer salts added.* Store at 2-8°C.
- The horseradish peroxidase (HRP) conjugate is supplied as 1.0 mL of stock solution in 50% glycerol/50% PBS, pH 7.4. *No preservative added.* Store at 2-8°C or long-term at -20°C.
- Reagents are stable for the period shown on the label if stored as directed.

For Research Use Only. Not for Diagnostic or Therapeutic Use.

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