

AM00164PU-N**Monoclonal Antibody to Caspase-7 - Purified**

Alternate names:	Apoptotic protease Mch-3, CASP-7, CASP7, CMH-1, ICE-like apoptotic protease 3, MCH3
Quantity:	0.1 mg
Concentration:	0.5 mg/ml
Background:	The caspase family of cysteine proteases plays a key role in apoptosis. Caspase-7, also known as Mch3a, ICE/LAP3 and CMH1, is a 34 kDa protein that is activated during Fas- and TNF-induced apoptosis. Caspase-7 has been identified as a major contributor to the execution phase of cellular apoptosis. It cleaves essential cellular machinery following its own cleavage from an inactive proenzyme to an active heterodimeric form. Caspase-7 is processed by caspase-3, -6, -8, -9, and -10 as well as by Granzyme B.
Uniprot ID:	P55210
NCBI:	NP_001218.1
GeneID:	840
Host / Isotype:	Mouse / IgG1
Recommended Isotype Controls:	SM10P (for use in human samples), SM20P (for use in rat samples), AM03095PU-N
Clone:	B4-G2
Immunogen:	Synthetic peptide from human caspase-7.
Format:	State: Liquid purified IgG Buffer System: PBS containing 1 mg/ml BSA and 1.5 mM thimerosal and 50% glycerol
Applications:	Western Blot: 0.5-2 µg/ml. Immunoprecipitation: 4-10 µg/ml. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Detects both pro-caspase-7 (34 kDa) and the large subunit of cleaved caspase-7 (19 kDa) in apoptosis cells on SDS-PAGE immunoblots. Species: Human, Mouse, Rat. Other species not tested.
Storage:	Store the antibody undiluted at -20°C or for long term storage (in aliquots) at -70°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.