

# Anti-Caspase 7 Mouse mAb

Purified Recombinant Mouse Monoclonal Antibody

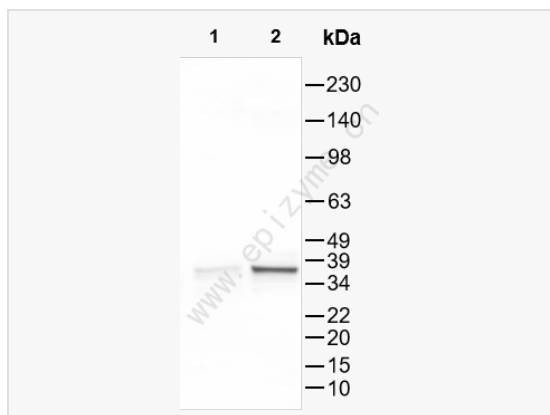
Catalog # M900041

## Product Information

Application	WB, ELISA
Reactivity	Human, Mouse
Dilution	WB 1:1,000~1:2,000
Host	Mouse
Clonality	Monoclonal
Clone No.	57G70D02
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of human Caspase 7
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Caspase 7 Mouse mAb [57G70D02] is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

Synonyms	MCH3; CASP7; Caspase-7; CASP-7; Apoptotic protease Mch-3; CMH-1; ICE-like apoptotic protease 3; ICE-LAP3.
Calculated MW	Calculated MW: 34 kDa; Observed MW: 37 kDa
Uniprot ID	P55210
Gene ID	840
Background	This gene encodes a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved aspartic residues to produce two subunits, large and small, that dimerize to form the active enzyme. The precursor of the encoded protein is cleaved by caspase 3 and 10, is activated upon cell death stimuli and induces apoptosis. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, May 2012]
Cellular Location	Cytoplasm, cytosol Nucleus Secreted, extracellular space Note: Following cleavage and activation by CASP1 or granzyme B (GZMB), secreted into the extracellular milieu by passing through the gasdermin-D (GSDMD) pores or perforin (PRF1) pore, respectively.
Tissue Location	Highly expressed in lung, skeletal muscle, liver, kidney, spleen and heart, and moderately in testis. No expression in the brain.



Western Blot - Anti-Caspase 7 Mouse mAb [57G70D02]

All lanes: M900041 at 1:1,000 dilution

Lane 1: U87 (Human malignant glioblastoma epithelial cells) whole cell lysates

Lane 2: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates

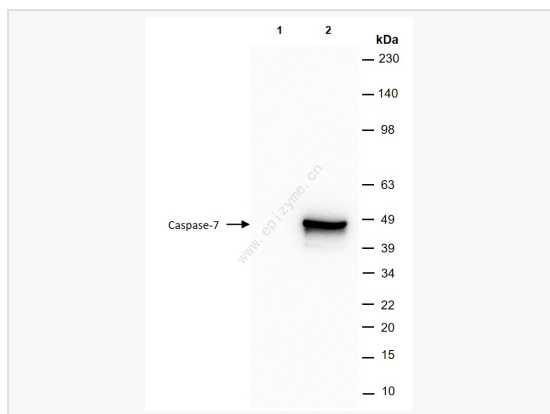
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Mouse IgG (H+L), HRP Conjugated (Cat. No. LF101) at 1:5,000 dilution

Predicted band size: 34 kDa

Observed band size: 37 kDa

Developed using the ECL technique (Cat. No. SQ201).



Western Blot - Anti-Caspase 7 Mouse mAb [57G70D02]

All lanes: M900041 at 1:1,000 dilution

Lane 1: Whole-cell lysates of 293T cells

Lane 2: Lysates from 293T cells overexpressing GFP-Myc-Caspase 7 (146-302)

Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Mouse IgG (H+L), HRP Conjugated (Cat. No. LF101) at 1:5,000 dilution

Predicted band size: 43 kDa

Observed band size: 43 kDa

Developed using the ECL technique (Cat. No. SQ201).