Product Name: CASP-7 Mouse Monoclonal Antibody
Catalog #: AMM81414

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC,ELISA,FC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	34.3kDa

Antigen Information

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Gene Name	CASP-7
Alternative Names	MCH3; CMH-1; LICE2; CASP7; ICE-LAP3
Gene ID	840.0
SwissProt ID	P55210
Immunogen	Purified recombinant fragment of human CASP-7 (AA: 29-198) expressed in E. Coli.

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.

![EnkiLife logo]

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.
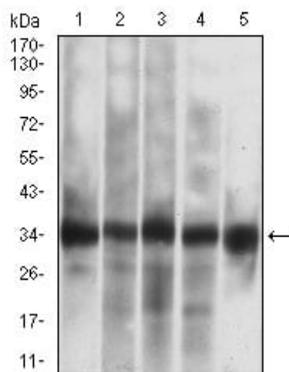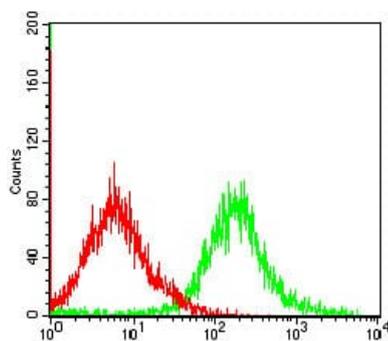
Research Area
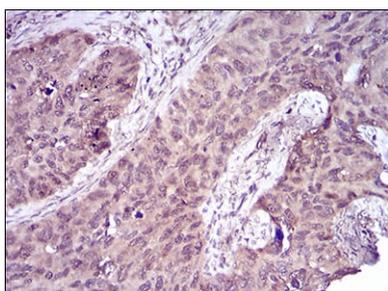
Apoptosis

Image Data
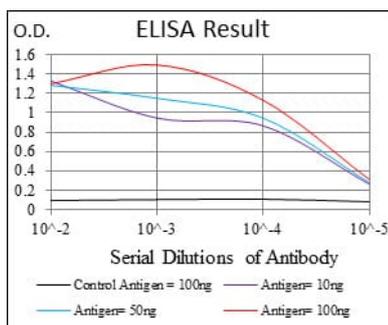
Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);

Western blot analysis using CASP-7 mouse mAb against Jurkat (1), HEK293 (2), MOLT4 (3), MCF-7 (4), PC-12 (5) cell lysate.

Flow cytometric analysis of MCF-7 cells using CASP-7 mouse mAb (green) and negative control (red).

Immunohistochemical analysis of paraffin-embedded human cervical cancer tissues using CASP-7 mouse mAb with DAB staining.