

CASP-7 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA2044
Host	Mouse
Isotype	Mouse IgG1
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human CASP-7 (AA: 29-198) expressed in E. Coli.
Mol wt	34.3kDa
Species reactivity	Human
Clonality	Monoclonal
Recommended application	WB,IHC,FCM
Concentration	N/A
Full name	N/A
Synonyms	MCH3;CMH-1;LICE2;CASP7;ICE-LAP3

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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.

Recommended Dilution

WB: 1:500 - 1:2000

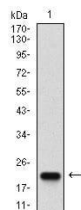
IHC-p: 1:200 - 1:1000

FCM: 1:200 - 1:400

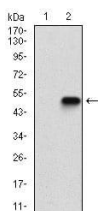
ELISA: 1:10000

Not yet tested in other applications.

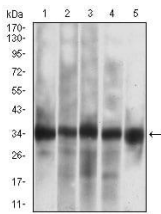
Images



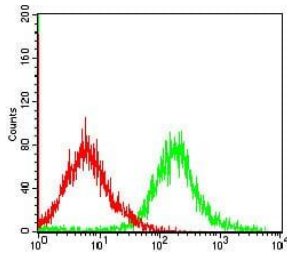
Western blot analysis using CASP-7 mAb against human CASP-7 (AA: 29-198) recombinant protein.
(Expected MW is 22.5 kDa)



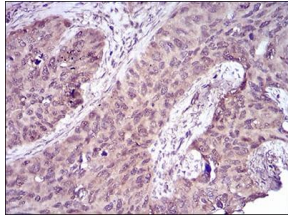
Western blot analysis using CASP-7 mAb against HEK293 (1) and CASP-7 (AA: 29-198)-hIgGfc transfected HEK293 (2) cell lysate.



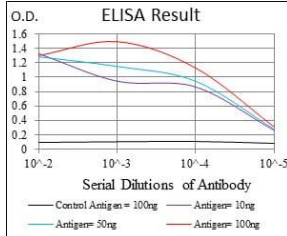
Western blot analysis using CASP-7 mouse mAb against Jurkat (1), HEK293 (2), MOLT4 (3), MCF-7 (4), PC-12 (5) cell lysate.



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



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



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

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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