



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Caspase-8 . Mouse Monoclonal Antibody

Cysteine-requiring Aspartate Protease-8; Apoptotic protease Mch-5; ICE-like apoptotic protease 5; FADD-like ICE

### BACKGROUND

Caspases are key effectors of programmed cell death. They are synthesized as inactive proenzymes which are activated by cleavage at a specific aspartate residue to form two subunits. These subunits are normally linked together by a linker which may be involved in the regulation of the different caspases. Caspase-8 is a key enzyme in the apoptosis pathway. Caspase-8 contains two N-terminal region death effector domains which are removed to activate the enzyme along with cleavage into the two subunits. These subunits then form the active protease which is capable of cleaving caspase-3, -6 and -7. These caspases are then capable of cleaving other cellular substrates such as PARP and DFF, which in turn induce apoptosis.

### ORDERING INFORMATION

**CATALOG NUMBER**

X1176M

**SIZE**

100 µg

**FORM**

Unconjugated

**HOST/CLONE**

Mouse Clone FLICE 3

**FORMULATION**

Provided as solution in phosphate buffered saline with 0.08% sodium azide

**CONCENTRATION**

See vial for concentration

**ISOTYPE**

IgG

**APPLICATIONS**

Western Blot

**SPECIES REACTIVITY**

Human

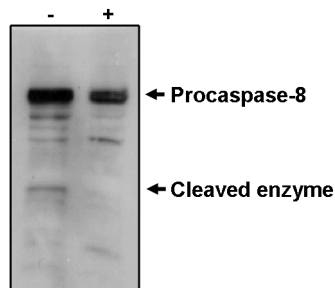
**ACCESSION NUMBER**

Human Q14790

### IMMUNOGEN

Hybridoma produced by the fusion of splenocytes from mice immunized with recombinant human caspase-8 protein and mouse myeloma cells.

Western blot analysis using caspase-8 antibody on MCF-7 cells negative (-) and positive (+) for caspase-3 after treatment for 48 hours with thapsigargin. Antibody detects the proenzyme and one of the cleavage products.



**POSITIVE CONTROL/TISSUE EXPRESSION**

MCF-7 cell lysate

**COMMENTS**

Detects proenzyme form of human Caspase-8 by Western blot analysis as well as one of the cleavage products. Optimal concentration should be evaluated by serial dilutions.

**PURIFICATION**

Protein A/G Chromatography

**SHIP CONDITIONS**

Ship at ambient temperature, freeze upon arrival

**STORAGE CUSTOMER**

Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles

**STABILITY**

Products are stable for one year from purchase when stored properly

**REFERENCES**

1. Cohen, G.M., et al. Caspases: the executioners of apoptosis. *Biochem. J.* 1997, 326, 1-16
2. Martin, D.A., et al. Membrane oligomerization and cleavage activates the caspase-8 (FLICE/MACHalpha1) death signal. *J. Biol. Chem.* 1998, 273, 4345-4349
3. Green, D.R., Apoptotic pathways: the roads to ruin. *Cell* 1998, 94, 695-698
4. Hu, S., et al. I-FLICE, a novel inhibitor of tumor necrosis factor receptor-1- and CD-95-induced apoptosis. *J. Biol. Chem.* 1997, 272, 17255-17257

**PRODUCT SPECIFIC REFERENCES**