

PRODUCT DATA SHEET

Product: Anti-Caspase-8, Clone FLICE-1

Cat. No: MC-464 (100 µg)

Background:

Caspases are key effectors of programmed cell death. They are synthesized as inactive pro-enzymes, 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 in 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.

Ig Isotype: IgG1

Immunogen:

Recombinant human caspase-8.

Format:

Mouse monoclonal antibody against human Caspase-8 (cysteine-requiring aspartate protease-8). Available in 100 µl vials at a concentration of 1 mg/ml (100 µg) in PBS with 0.08% sodium azide. Antibody was purified by 0.2 µm sterile filtration.

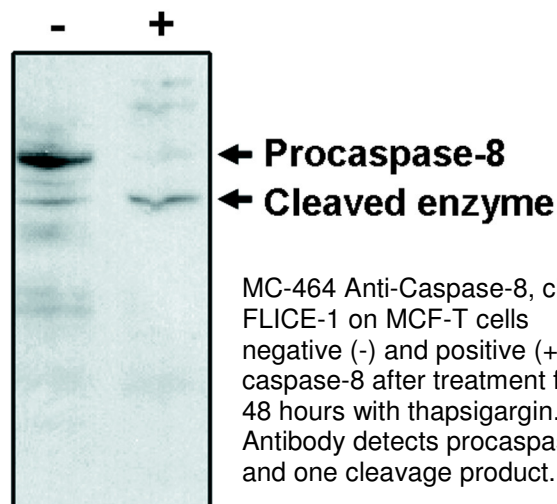
Storage and Stability:

Store at -20°C. Antibodies are stable for one year if stored frozen. Aliquot to avoid freeze/thaw cycles.

Applications and Suggested Dilutions:

- Western Blot

The optimal dilution for a specific application should be determined by the researcher.



Limitations:

For *in vitro* research use only. Not for use in diagnostics or in humans.

Warranty:

No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.