



PRODUCT DATA SHEET

Product: Anti-Caspase-8 mAb, clone FLICE 3

Cat. No.: MC-465 (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 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.

Ig Isotype:

Mouse IgG

Immunogen:

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

Format:

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

Species Reactivity:

Human

Positive Control:

MCF-7 cell lysate

Purification:

Protein A/G Chromatography

Storage and Stability:

Stable for 1 year when stored at -20°C.
Aliquot to avoid repeat freeze/thaw cycles.

Applications and Suggested Dilutions:

■ Western Blot: Antibody detects the proenzyme and one of the cleavage products.

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.