

PRODUCT DATA SHEET

Product: Anti-Caspase-2 mAb, clone 11B4

Cat. No.: MC-498 (100 µg)

Specificity:

Recognizes an epitope in the p19 subunit of human, mouse, rat, monkey and dog caspase-2. Detects bands of ~51 kDa (procaspase-2), ~32 kDa and ~18 kDa (cleavage products) by Western blot.

Species Reactivity:

Human, mouse, rat, monkey and dog. Others not tested.

Ig Isotype:

Rat IgG_{2a}

Immunogen:

p19 fragment of recombinant human Caspase-2.

Format:

100 µL of protein G affinity-purified monoclonal antibody at 1 mg/mL in PBS containing 0.02% sodium azide.

Storage:

Store at 4°C short term, -20°C long term. Avoid freeze/thaw cycles.

Applications and Suggested Dilutions:

- Immunoprecipitation
- Western blot: Use at 2 µg/mL.

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

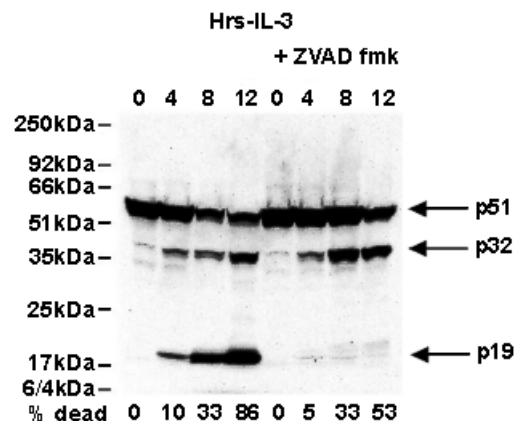
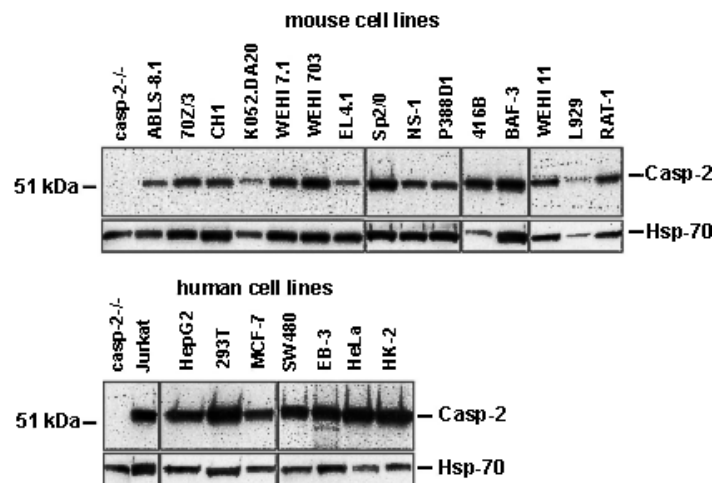


Figure (left column): Detection of procaspase-2 (p51), an intermediate cleavage product of caspase-2 (p32) and activated caspase-2 (p19) in FDC-P1 cells (mouse IL-3 dependent promyelocytic line) during growth factor withdrawal induced apoptosis. Activation of caspase-2 is inhibited in the presence of the caspase inhibitor Z-VAD-FMK (AB-001).



Figures (above): Western blot analysis of cell lysates from human and mouse cell lines with clone 11B4 (MC-498). Clone 11B4 demonstrates its ability to recognize an approximately 51 kDa protein that corresponds to endogenous procaspase-2. Hsp-70 was used as an equal loading control, and -/- caspase-2 cells were used as a negative control.

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.