PRODUCT DATA SHEET

Product: **Anti-Bmf, clone 12E10**

Cat. No.: **MC-503 (100 µg)**

Background:
Bmf is a novel BH3-only protein that was discovered in a yeast 2-hybrid library screen with Mcl-1 (a pro-survival member of the Bcl-2 family) as the target molecule. Biochemical experiments demonstrated that Bmf binds to Bcl-2 and all of its pro-survival homologs through its BH3 domain. Co-immunoprecipitation of Bmf and Bcl-2 can be detected in cells that express both proteins at physiological levels. Bmf promotes apoptosis by blocking the pro-survival activity of Bcl-2 and its homologs. In healthy cells, Bmf is sequestered to the actin cytoskeleton, via dynein light chain 2 (DLC2), allowing it to translocate and bind Bcl-2 and its homologs.

Specificity:
Recognizes human and mouse Bmf.

Species Reactivity:
Human and mouse. Others not tested.

Ig Isotype:
Rat IgG_1

Immunogen:
Recombinant mouse Bmf fused to glutathione-S-transferase (GST).

Format:
100 µg of protein G purified antibody in PBS containing 0.02% sodium azide. Concentration is 1 mg/mL.

Storage:
Store at 4°C short term, -20°C long term. Aliquot to avoid freeze/thaw cycles.

Applications and Suggested Dilutions:
- Western blot: Use at 0.5-1.0 µg/mL
- Flow cytometry: Use at 1-10 µg/mL (1:100-1:1,000 dilution)
- Immunoprecipitation: Use at 2-5 µg/mL

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.