

PRODUCT DATA SHEET

Product: Anti-BCMA mAb, clone Vicky-2

Cat. No.: MC-113 (100 µg)

Synonyms:

B Cell Maturation Protein, TNFRSF 17, CD269.

Specificity:

Recognizes mouse BCMA.

Species Reactivity:

Mouse. Does not cross-react with human BCMA. Others species not tested.

Ig Isotype:

Rat IgG_{2a}

Immunogen:

Recombinant mouse BCMA extracellular domain (aa 1-46)

Format:

100 µg of antibody purified from concentrated hybridoma tissue culture supernatant. Antibody is at 1 mg/mL in PBS with 0.02% sodium azide. ≥95% purity as determined by SDS-PAGE.

Storage:

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

Applications and Suggested Dilutions:

- Western blots: Use at a 1:1,000 dilution.
- Immunoprecipitation: Use at a 1:200 dilution.
- Flow cytometry: Use at a 1:1,000 dilution.
- Functional Application: Blocks binding of BAFF to mouse BCMA.

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

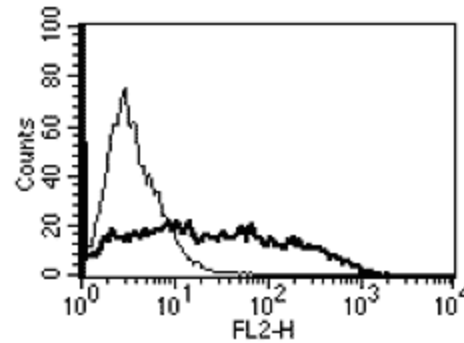


Figure: FACS analysis of cells using antibody to BCMA (mouse) (MC-113)

Method: HEK 293 cells were mock transfected (thin line) or transfected with an expression plasmid coding for mouse BCMA (thick line). Cells (5×10^5) were incubated on ice for 30 minutes in 50 µL FACS buffer (PBS, 5% fetal calf serum, 0.02% azide) containing 1 µg/mL of monoclonal antibody to BCMA (mouse) (MC-113). After washing in FACS buffer, PE-conjugated antibody to rat IgG was added. Cells were incubated on ice for 30 minutes, washed and analyzed by flow cytometry.

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.