PRODUCT DATA SHEET

Product: BAFF-R:Fc (human recombinant)

Cat. No.: **BC-323 (50 µg)**

Synonyms:
BR3; BlySR3; TNFRSF 13C; CD268

Source/Host:
Produced in HEK 293 cells. The extracellular domain of human BAFF-R (aa 2-71) is fused at the C-terminus to Fc portion of human IgG_1.

Molecular Weight:
~40 kDa as determined by SDS-PAGE

Species Reactivity:
Binds to human and mouse BAFF. Others not tested.

Format:
Lyophilized. Contains PBS. Reconstitute with 50 µL of sterile water for a 1 mg/mL solution. Further dilutions should be made with medium containing 5% fetal calf serum or other carrier protein.

Purity:
≥95% as determined by SDS-PAGE.
Endotoxin: <0.1 EU/µg of purified protein (LAL test).

Biological Activity and Application:
Inhibits rhsBAFF mediated splenocyte survival. Detection of membrane-bound human and mouse BAFF in combination with polyclonal antibody to human IgG_1.

Storage:
Store at -20°C. After reconstitution, prepare aliquots and store at -20°C. Avoid freeze/thaw cycles.

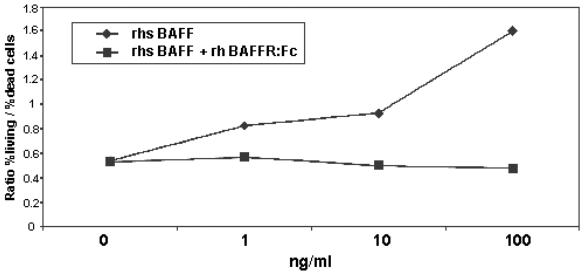

Figure: Human recombinant BAFF-R:Fc (BC-323) inhibits rhsBAFF-mediated activation of freshly isolated mouse splenocytes (BC-321). Concentration of rhBAFF-R:Fc required to achieve complete inhibition depends on the concentration of rhsBAFF (BC-321) used. A ratio (rhsBAFF : rhBAFF-R:Fc) 1:50 and higher is recommended.

Method: On day 0 splenocytes were isolated from a freshly collected C57B16 spleen. An aliquot of the splenocytes was analyzed on FACS, and the B-cells were gated on the SSC-FSC panel. FACS settings were saved. The rest of the cells was put in culture with media only, with the indicated concentration of rhsBAFF (Prod. No. BC-321) alone or in the presence of excess rhsBAFF-R:Fc (+ 5 µg/mL). After 3 days in culture, cells were again analyzed on FACS with the saved settings. Ratio of % living/% dead cells was calculated and plotted.

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.