PRODUCT DATA SHEET

Product: BAFF, (human recombinant soluble)

Cat. No.: **BC-321 (10 µg)**

Synonyms:
BlyS; TALL-1; THANK; zTNF4; TNFSF 13B/20; CD257

Source/Host:
Produced in *E. coli*. The extracellular domain of human BAFF (aa 83-285) is fused at the N-terminus to a linker peptide (6 aa) and a FLAG® tag.

Molecular Weight:
~28 kDa as determined by SDS-PAGE

Format:
Lyophilized. Contains PBS. Reconstitute with 100 µL of sterile water for 0.1 mg/mL solution. Further dilutions should be made with medium containing 5% fetal calf serum.

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

Biological Activity and Application:
Mediates splenocyte survival. Detection of receptors of BAFF on target cells. Binds to human and mouse(weak) BCMA, TACI and BAFF-R.

Storage:
Store at -20°C. After reconstitution, prepare aliquots and store at -20°C.

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.

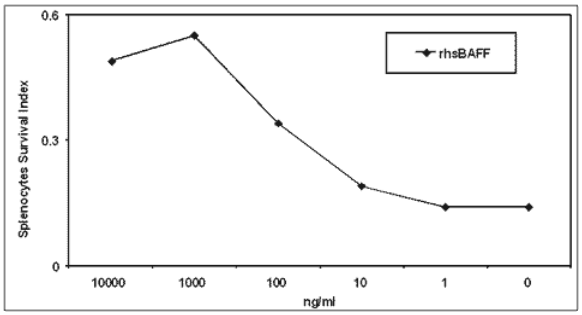
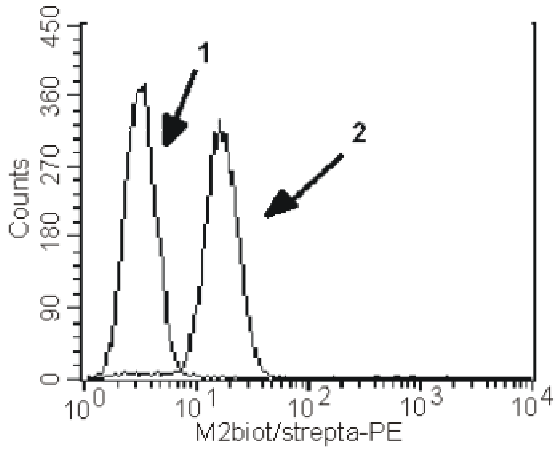


Figure: BAFF (BC-321) mediates survival of freshly isolated splenocytes.
Method: On day 0 splenocytes were isolated from a freshly collected C57Bl6 spleen. An aliquot of the splenocytes was analyzed on FACS and gated on the SSC-FSC panel. FACS settings were saved. The rest of the cells was put in culture with media alone or with increasing concentrations of BAFF (BC-321) as indicated. After three days in culture, cells were harvested and analyzed on FACS with the saved setting. Splenocytes Survival Index (ratio % living/% dead cells) was calculated and plotted



rhsBAFF can be used as a tool to detect its receptors on target cells.
Figure: Flow cytometric profile of BJAB cells incubated with (2) or without (1) rhsBAFF.
Method: BJAB cells (5 x 10^5) were incubated on ice for 30 min in 50 µL FACS buffer (PBS, 5% fetal calf serum, 0.02% sodium azide) containing 2 µg/mL of BAFF (BC-321). After washing in FACS buffer, biotinylated antibody to Flag was added at 2.5 µg/mL for 30 min. After washing in FACS buffer, streptavidin-PE (Jackson Lab) at 2 µg/mL was added, incubated for 30 min, washed, and finally cells were analyzed by flow cytometry.