


PRODUCT DESCRIPTION:

Human BAFF (B cell Activating Factor) is a ligand in the tumor necrosis factor (TNF) family and is also known as B Lymphocyte Stimulator (BLyS). It binds to several receptors including the BAFF receptor, BCMA and TACI, the latter two are shared with the ligand APRIL. It is known as a co-stimulator of B cell proliferation and has been described together with APRIL as important for the proliferation of human embryonic stem cells. Recombinant Human BAFF is a single, non-glycosylated polypeptide chain containing 153 amino acids and has a MW of 17.0 kDa.

Product Information Sheet

CYTOKINES



Version 1.0.0

**Recombinant
Human
BAFF (BLyS)**

Catalog #02517 20 µg/vial

SOURCE:

Expressed in *E. Coli*.

PURITY:

Greater than 95% as determined by SDS-PAGE and HPLC analyses. The endotoxin level is less than 0.1 ng/µg of BAFF.

FORMULATION:

Lyophilized from 0.3X phosphate buffered saline at pH 7.5.

RECONSTITUTION:

Centrifuge vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/mL.

STABILITY AND STORAGE:

Lyophilized BAFF is best-stored desiccated below 0°C. Reconstituted BAFF should be stored in working aliquots at -20°C.

Avoid repeated freezing and thawing.

ACTIVITY:

The ED₅₀ of BAFF, as determined by the dose-dependant stimulation of IL-8 production by human PBMC, is generally less than 10 ng/mL. Results may vary with PBMC donors.

REFERENCES:

1. Lu J, Hou R, Booth CJ, Yang SH, Snyder M. Defined culture conditions of human embryonic stem cells. Proc Natl Acad Sci USA 103(15):5688-93, 2006

See Material Safety Data Sheet for more information.

**THIS REAGENT IS FOR RESEARCH ONLY.
IT IS NOT TO BE ADMINISTERED TO HUMANS.**

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