

## BAFF Human, Plant

**Description:**BAFF human Recombinant produced in Nicotiana benthamiana plant is a single glycosylated polypeptide chain containing 151 amino acids fragment (134-285).BAFF (C830H1277N223O242S5) is fused to a 10-His-tag at the N-terminal having the total molecular mass of 18-20kDa and purified by standard chromatographic techniques.

**Catalog #:**CYPS-061

For research use only.

**Synonyms:**BAFF, BLYS, CD257, TALL1, THANK, ZTNF4, TALL-1, TNFSF20, TNFSF13B, B-cell Activating Factor.

**Source:**Nicotiana benthamiana plant

**Physical Appearance:**Sterile Filtered White lyophilized (freeze-dried) powder.

**Amino Acid Sequence:**HHHHHHHHHH AVQGPEETVT QDCLQLIADS ETPTIQKGSY  
TFVPWLLSFK RGSALLEKEN KILVKETGYF FIYGQVLYTD KTYAMGHLIQ RKKVHVFGDE  
LSLVTLFRCI QNMPETLPNN SCYSAGIAKL EEGDELQLAI PRENAQISLD GDVTFFGALK LL

**Purity:**Greater than 97.0% as determined by Analysis by SDS-PAGE.

**Formulation:**

Lyophilized from 1mg/ml solution in 20 mM PBS buffer pH 7 and 0.2 M NaCl.

**Stability:**

Lyophilized BAFF although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution BAFF should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Solubility:**

It is recommended to reconstitute the lyophilized BAFF in sterile 18M-cm H2O not less than 100

**Introduction:**

BAFF binds to tnfrsf13b/taci and tnfrsf17/bcma. Tnfrsf13/april binds to the same 2 receptors, together, they form a 2 ligands -2 receptors pathway involved in the stimulation of b- and t-cell function and the regulation of humoral immunity.A third b-cell specific baff-receptor (baffr/br3) promotes the survival of mature b-cells and the b-cell response.B Lymphocyte Stimulator functions as a potent B-cell growth factor in costimulation assays. Administration of BAFF Human recombinant to mice disrupts splenic B-cell and T-cell zones and results in elevated levels of serum immunoglobulin.

**Biological Activity:**

The activity is determined by dose-dependent stimulation of proliferation B cell from Human PBMC. Cell proliferation was measured by MTT method. \*activity results may vary with PBMC donors. ED50 50ng/ml

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