

32-1076: BAFF Plant Recombinant Protein

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

Description

Source : Nicotiana benthamiana plant 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. BAFF binds to tnfrsf13b/taci and tnfrsf17/bcma. Tnfsf13/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.

Product Info

Amount :	5 µg
Purification :	Greater than 97.0% as determined by Analysis by SDS-PAGE.
Content :	Lyophilized from 1mg/ml solution in 20 mM PBS buffer pH 7 and 0.2 M NaCl.
Storage condition :	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.
Amino Acid :	HHHHHHHHHH AVQGPEETVT QDCLQLIADS ETPTIQKGSY TFVPWLLSFK RGSAL EEKEN KILVKETGYF FIYGQVLYTD KTYAMGHLIQ RKKVHVFGDE LSLVTLFRCI QNMPETLPNN SCYSAGIAKL EEGDELQLAI PRENAQISLD GDVTFFGALK LL

Application Note

It is recommended to reconstitute the lyophilized BAFF in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions. 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