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32-1074: BAFF Recombinant Protein

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

Description

Source : Escherichia Coli. BAFF Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 153 amino acids and having a molecular mass of 17007 Dalton. The BAFF is purified by proprietary 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 :	20 µg
Purification :	Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content :	Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.0.
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.Please prevent freeze-thaw cycles.
Amino Acid :	MAVQGPEETV TQDCLQLIAD SETPTIQKGS YTFVPWLLSF KRGSALEEKE NKILVKETGY FFIYGQVLYT DKTYAMGHLI QRKKVHVFGD ELSLVTLFRC IQNMPETLPN NSCYSAGIAK LEEGDELQLA IPRENAQISL DGDVTFFGAL KLL.

Application Note

It is recommended to reconstitute the lyophilized BAFF in sterile 18M-cm H2O not less than 100ÃÂµg/ml, which can then be further diluted to other aqueous solutions. The activity is determined by a mouse splenocyte survival assay. The ED50 for this effect is 0.5-2.0ÃÂµg/ml.