

BAFF/TALL-1, Mouse, Recombinant

Cat. No. : PCK321

General Information

Synonyms	tumor necrosis factor (ligand) superfamily;member 13b;Tnfsf13b;BAF;BL;BLyS;D8Ert387;D8Ert387e;TAL;TALL-1;TALL1;THANK;TNFSF20;Tnlg7a;zTNF;zTNF4
Species	Mouse
Expression host	E.coli
Sequence	MAFQGPEETEQDVDLSAPPAPCLPGCRHSQHDDNGMNLRNIIQDCLQLIADSDTPTIRKGTYT FVPWLLSFKRGNALEEKENKIVVRQTGYFFIYSQVLYTDPIFAMGHVIRKKVHVFGDELSLVTL FRCIQNMPKTLPNNSCYSAGIARLEEGDEIQLAIPRENAQISRNGDDTFFGALKLL with polyhistidine tag at the C-terminus.
Accession	Q9WU72
Tag	His-tag at the C-terminus
Mol mass	21.56 kDa
Expiration date	12 months
Bio activity	Measure by its ability to induce proliferation in mouse B cells. The ED50 for this effect is < 0.5 ng/mL. The specific activity of recombinant mouse BAFF is > 2 × 10 ⁶ IU/mg.

Product feature

Purity	> 98% as determined by SDS-PAGE. Ni-NTA chromatography.
Endotoxin (EU/μg)	< 0.1
Storage	Lyophilized protein should be stored at -5~-20°C for 1 year. Upon reconstitution, store at 2-8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10% FBS, 5% HSA or 5% trehalose solution), protein aliquots should be stored at -5~-20°C or -80°C for 3-6 months.
Shipping	Ice bag
Formulation	The protein was lyophilized from a 0.2 μm filtered solution containing 1 × PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 μg/mL. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

Background

B-cell activating factor (BAFF) also known as tumor necrosis factor ligand superfamily member 13B is a protein, that in humans, is encoded by the TNFSF13B gene. BAFF is also known as B Lymphocyte Stimulator (BLyS) and TNF- and APOL-related leukocyte expressed ligand (TALL-1) and the Dendritic cell-derived TNF-like molecule. BAFF is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This cytokine is expressed in B cell lineage cells, and acts as a potent B cell activator. It has been also shown to play an important role in the proliferation and differentiation of B cells.

SDS-PAGE

