

Recombinant Mouse Tnfsf13b, FLAG-tagged

Cat. No. Tnfsf13b-411M **Lot. No.** (See product label)

SPECIFICATION

Product Overview Mouse BAFF (aa 127-309) is fused at the N-terminus to a FLAG-tag.

Species Mouse

Source HEK293

Description

BAFF is mainly produced by innate immune cells such as neutrophils, monocytes, macrophages, dendritic cells, follicular dendritic cells. T cells, activated B cells, some malignant B cells and also non-lymphoid cells like astrocytes, synoviocytes and epithelial cells can also produce BAFF. BAFF binds three distinct receptors (BAFF-R, TACI and BCMA) expressed predominantly on B cells, although activated T cells also express BAFF-R. BAFF is a master regulator of peripheral B cell survival, and together with IL-6, promotes Ig class-switching and plasma cell differentiation. Besides its major role in B cell biology, BAFF co-stimulates activated T cells. Deregulated expression of BAFF leads to autoimmune disorders in mice. In humans, elevated levels of soluble BAFF have been detected in the serum of patients with various autoimmune diseases such as Sjogren syndrome, Rheumatoid arthritis (RA), Multiple sclerosis (MS) and Systemic Lupus Erythematosus (SLE). BAFF has also increased levels in some lymphoid cancers.

Form Lyophilized. Contains PBS.

Molecular Mass ~26kDa (SDS-PAGE)

Purity ≥95% (SDS-PAGE)

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Stability	Stable for at least 6 months after receipt when stored at -20°C.
Storage	Short Term Storage: +4°C; Long Term Storage: -20°C. After reconstitution, prepare aliquots and store at -20°C. Avoid freeze/thaw cycles. PBS containing at least 0.1% BSA should be used for further dilutions.
Concentration	0.1mg/ml after reconstitution.
GENE INFORMATION	
Gene Name	Tnfsf13b tumor necrosis factor (ligand) superfamily, member 13b [Mus musculus]
Official Symbol	Tnfsf13b
Synonyms	TNFSF13B; tumor necrosis factor (ligand) superfamily, member 13b; tumor necrosis factor ligand superfamily member 13B; B-cell-activating factor; b cell-activating factor; BAFF; BLyS; TALL1; THANK; zTNF4; TALL-1; TNFSF20; D8Ert387e; MGC124060; MGC124061;
Gene ID	24099
mRNA Refseq	NM_033622
Protein Refseq	NP_296371
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Intestinal immune network for IgA production, organism-specific biosystem; Intestinal immune network for IgA production, conserved biosystem; Rheumatoid arthritis, organism-specific biosystem; Rheumatoid arthritis, conserved biosystem;

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Function

cytokine activity; tumor necrosis factor receptor binding;

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