

## BAFF/TNFSF13B Protein, Canine (HEK293, Fc)

Cat. No.:	HY-P75589
Synonyms:	Tumor necrosis factor ligand superfamily member 13B; BAFF; TALL-1
Species:	Canine
Source:	HEK293
Accession:	C4NZX1 (A143-L292)
Gene ID:	485545
Molecular Weight:	Approximately 45.5 kDa

### PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 $\mu$ m filtered solution of PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/ $\mu$ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 $\mu$ g/mL in ddH <sub>2</sub> O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

Background	<p>The BAFF/TNFSF13B protein belongs to the tumor necrosis factor (TNF) family, a group of cytokines involved in regulating immune responses and cell survival. BAFF/TNFSF13B, also known as B-cell activating factor, plays a crucial role in B-cell development, activation, and survival. It binds to its receptors, including BAFF receptor (BAFF-R), and promotes B-cell proliferation, antibody production, and the maintenance of mature B cells. BAFF/TNFSF13B is particularly important in the development and function of the immune system, as it helps to regulate B-cell homeostasis and immune tolerance. Dysregulation of BAFF/TNFSF13B signaling has been implicated in various autoimmune diseases and B-cell malignancies. Understanding the role of BAFF/TNFSF13B in normal physiology and disease pathology can provide valuable insights into potential therapeutic approaches for conditions involving B-cell dysfunction or dysregulation.</p>
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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