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Product Datasheet

Human BAFF protein, His tag, Unconjugated GTX00260-PRO

Article Name	Human BAFF protein, His tag, Unconjugated
Biozol Catalog Number	GTX00260-PRO
Supplier Catalog Number	GTX00260-pro
Alternative Catalog Number	GTX00260-PRO-10
Manufacturer	GeneTex
Category	Proteine/Peptide
Application	FA
Species Reactivity	Human
Conjugation	Unconjugated
NCBI	10673
UniProt	Q9Y275
Buffer	Reconstitute with 20mM Tris and 150mM NaCl to 0.1-1.0mg/ml. Do not vortex. Lyophilized from 20mM Tris, 150mM NaCl, 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose, ProClin 300.
Expression System	E. coli
Form	Lyophilized powder
Sequence	N-terminal His-Tag, Lys113~Lys283 (NP_001139117.1)

Application Notes

Tumor necrosis factor ligand superfamily member 13B protein (TNFSF13B) also known as B-cell activating factor (BAFF) is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This cytokine is a ligand for receptors TNFRSF13B/TACI, TNFRSF17/BCMA, and TNFRSF13C/BAFF-R. 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. Besides, Integrin Beta 1 (ITGb1) has been identified as an interactor of TNFSF13B, thus a binding ELISA assay was conducted to detect the interaction of recombinant human TNFSF13B and recombinant human ITGb1. Briefly, TNFSF13B were diluted serially in PBS, with 0.01% BSA (pH 7.4). Duplicate samples of 100 µl were then transferred to ITGb1-coated microtiter wells and incubated for 2h at 37C. Wells were washed with PBST and incubated for 1h with anti-TNFSF13B pAb, then aspirated and washed 3 times. After incubation with HRP labelled secondary antibody, wells were aspirated and washed 3 times. With the addition of substrate solution, wells were incubated 15-25 minutes at 37C. Finally, add 50 µl stop solution to the wells and read at 450nm immediately. The binding activity of TNFSF13B and ITGb1 was in a dose dependent manner.