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Datasheet for ABIN6719675

BAFF ELISA Kit

1 Image

Overview

Quantity:	1 kit
Target:	BAFF (TNFSF13B)
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	46.9 pg/mL - 3000 pg/mL
Minimum Detection Limit:	46.9 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: B lymphocyte stimulator, B-cell-activating factor, BAFF, BLyS, CD257, Dendritic cell-derived TNF-like molecule, soluble form, TALL-1, TN13B_HUMAN, TNF- and APOL-related leukocyte expressed ligand 1, TNFSF13B, Tumor necrosis factor ligand superfamily member 13b</p> <p>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 TNFLSF13B gene.^{1,2} 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/BAFFR. This</p>

Product Details

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.³All these ligands act as heterotrimers(i.e. three of the same molecule) interacting with heterotrimeric receptors⁴, although BAFF has been known to be active as either a hetero- or homotrimer.⁵ The standard used in this kit is recombinant mouse soluble BAFF(A127-L309) with molecular weight 23.2KDa.

Gene Name: TNFSF13B

Production: Natural and recombinant mouse BAFF. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: A127-L309

Target Details

Target:	BAFF (TNFSF13B)
Alternative Name:	BAFF (TNFSF13B Products)
Gene ID:	24099
NCBI Accession:	NP_296371
UniProt:	Q3KP92
Pathways:	NF-kappaB Signaling , Production of Molecular Mediator of Immune Response

Application Details

Application Notes:	<p>Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 3000pg/mL, 1500pg/mL, 750pg/mL, 419pg/mL, 188pg/mL, 94pg/mL, 46.9pg/mL mouse BAFF standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of mouse cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. We recommend that each mouse BAFF standard solution and each sample is measured in duplicate.</p> <p>Blood Product Anticoagulant: Heparin Sodium</p> <p>ELISA Dilution: 46.9pg/mL-3000pg/mL</p> <p>Other Performance Data: Expiration Date: 2-8° C - 06/10/2018 -20° C - 12/11/2018</p>
Sample Volume:	100 µL
Plate:	Pre-coated

Application Details

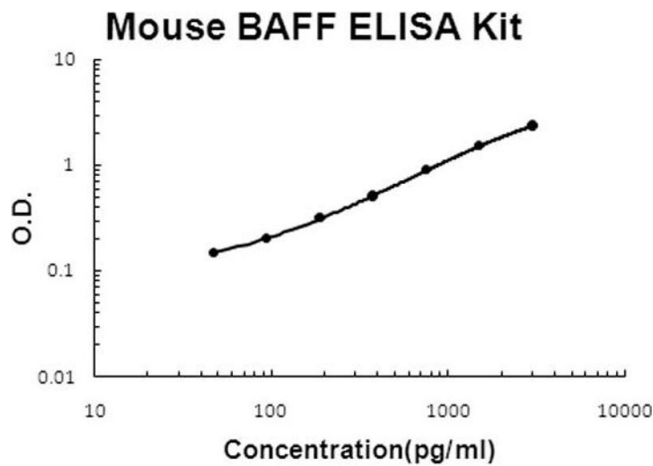
Restrictions: For Research Use only

Handling

Storage: RT, 4 °C, -20 °C

Storage Comment: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

Images



ELISA

Image 1. Mouse BAFF Accusignal ELISA Kit Mouse BAFF AccuSignal ELISA Kit standard curve. Assay Range: 46.9pg/ml-3000pg/ml. Sensitivity: <10pg/ml.