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Datasheet for KOA0381

Mouse BAFF ELISA Kit

Overview

Description:	Mouse BAFF AccuSignal ELISA Kit - KOA0381
Item No.:	KOA0381
Size:	1 Kit
Applications:	ELISA
Reactivity:	Mouse
Range:	46.9 pg/ml - 3000 pg/ml

Product Details

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 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.
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
Detection Kit Type:	ELISA Kit
Detection Range:	46.9 pg/ml - 3000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	TNFSF13B
Reactivity:	Mouse
Immunogen:	Expression system for standard: NSO; Immunogen sequence: A127-L309

Purity/Specificity:	Natural and recombinant mouse BAFF. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - Q3KP92 • NCBI - NP_296371.1 • GeneID - 24099 • KOA0381 Protocol

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml 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 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml 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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	46.9pg/ml-3000pg/ml
Other:	Expiration Date: 2-8° C - 05/22/2024 -20° C - 11/22/2024

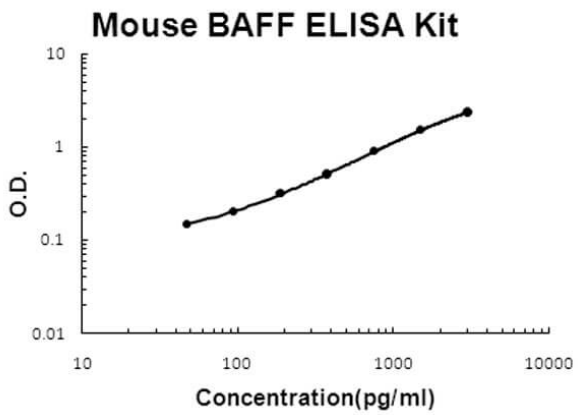
Formulation

Concentration:	1 Kit
Anticoagulant:	Heparin Sodium

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	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.
Expiration:	See kit insert for complete instructions.

Images



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

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.