

Datasheet for KOA0380**Human BAFF ELISA Kit****Overview**

Description:	Human BAFF AccuSignal ELISA Kit - KOA0380
Item No.:	KOA0380
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	62.5 pg/ml - 4000 pg/ml

Product Details

Background:	BAFF was regularly detected by enzyme-linked immunosorbent assay in brain tissue lysates and in normal spinal fluid, and in astrocytes by double fluorescence microscopy. BAFF was localized in astrocytes close to BAFF-R-expressing immune cells. BAFF receptors were strongly expressed in situ in primary central nervous system(CNS) lymphomas. ¹ The TNF superfamily member B cell-activating factor(BAFF) plays an important role in humoral immunity and in autoimmune diseases, including RA. Local BAFF gene targeting inhibited proinflammatory cytokine expression, suppressed generation of plasma cells and Th17 cells, and markedly ameliorated joint pathology. ² The B cell activating factor BAFF(BlyS/TALL-1/zTNF4) is a tumor necrosis factor (TNF)-related ligand that promotes B cell survival and binds to three receptors(BCMA, TACI, and the recently described BAFF-R). ³ Human BAFF was mapped to chromosome 13q32-34. ⁴ The standard used in this kit is recombinant soluble human BAFF(A134-L295) with the molecular mass of 19.6KDa.
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:	62.5 pg/ml - 4000 pg/ml
Sensitivity:	<2 pg/ml

Target Details

Gene Name:	TNFSF13B
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Reactivity:	Human
Immunogen:	Expression system for standard: NSO; Immunogen sequence: A134-L285
Purity/Specificity:	Natural and recombinant human BAFF. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - Q9Y275 • NCBI - NP_001139117.1 • GenelD - 10673 • KOA0380 Protocol

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 4000pg/ml, 2000pg/ml, 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml human 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 human cell culture supernates, serum or plasma (heparin, EDTA) to each empty well. It is recommended that each human BAFF standard solution and each sample be measured in duplicate.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	62.5pg/ml-4000pg/ml
Other:	DOE: 2-8° C-05/09/2024 -20° C - 11/07/2024

Formulation

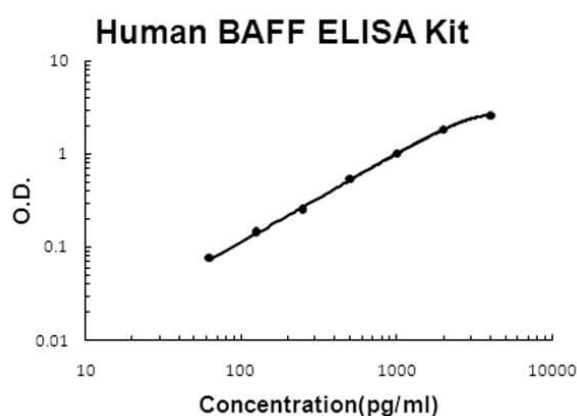
Concentration:	1 Kit
Anticoagulant:	Heparin Sodium

Shipping & Handling

Shipping Condition:	Wet Ice
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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

Human BAFF AccuSignal ELISA Kit standard curve. Assay Range: 62.5pg/ml-4000pg/ml. Sensitivity: <2pg/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.