

Datasheet for KOA0614**Human TNFRSF13B - TACI ELISA Kit****Overview**

Description:	Human TNFRSF13B/TACI AccuSignal ELISA Kit - KOA0614
Item No.:	KOA0614
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	93.7 pg/ml - 6000 pg/ml

Product Details

Background:	Tumor necrosis factor receptor superfamily member 13B, also known as TNFRSF13B or more commonly as TACI, is a transmembrane receptor protein found predominantly on the surface of B cells, which are an important part of the immune system. TACI controls T cell-independent B cell antibody responses, isotype switching, and B cell homeostasis. TACI is a lymphocyte-specific member of the tumor necrosis factor(TNF) receptor superfamily. It was originally discovered because of its ability to interact with calcium-modulator and cyclophilin ligand(CAML). TACI was later found to play a crucial role in humoral immunity by interacting with two members of the TNF family: BAFF and APRIL. These proteins signal through TACI inducing activation of several transcription factors including NFAT, AP-1, and NF-kappa-B which then modulate cellular activities. Defects in the function of TACI can lead to immune system diseases.
Synonyms:	CD267, TNFRSF13B, TR13B_HUMAN, Transmembrane activator and CAML interactor, Tumor necrosis factor receptor superfamily member 13B
Detection Kit Type:	ELISA Kit
Detection Range:	93.7 pg/ml - 6000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	TNFRSF13B
Reactivity:	Human
Immunogen:	Expression system for standard: NSO; Immunogen sequence: S2-T166

Purity/Specificity:	Natural and recombinant human TNFRSF13B. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - O14836 • NCBI - NP_036584.1 • GeneID - 23495 • KOA0614 Protocol

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 6000pg/ml, 3000pg/ml, 1500pg/ml, 750pg/ml, 419pg/ml, 187.5pg/ml, 93.7pg/ml human TNFRSF13B 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 TNFRSF13B 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.

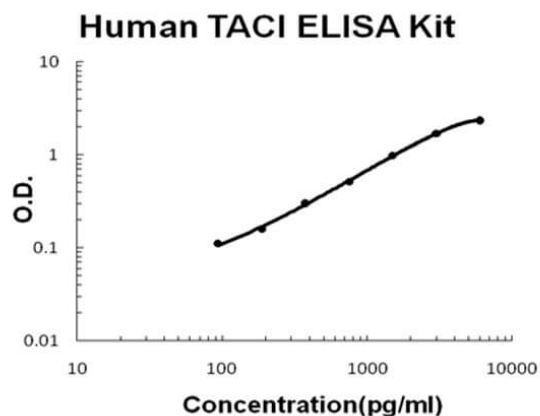
Formulation

Anticoagulant:	Heparin Sodium
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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**

Human TNFRSF13B/TACI AccuSignal ELISA Kit standard curve. Assay Range: 93.7pg/ml-6000pg/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.