

Datasheet for KOA0322

Human sTNFsR II ELISA Kit**Overview**

Description:	Human sTNFsR II AccuSignal ELISA Kit - KOA0322
Item No.:	KOA0322
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	7.8 pg/ml - 500 pg/ml

Product Details

Background:	Tumor necrosis factor receptor p75(TNF-R p75, or TNF-R2) is a 75-kDa type I transmembrane protein expressed predominantly on cells of hematopoietic lineage. TNF-R p75 belongs to the TNF receptor superfamily characterized by cysteine-rich extracellular regions composed of three to six disulfide-linked domains. The tumor necrosis factor receptor II(TNFRII) gene localizes to 1p36. 2, a genomic region characteristically deleted in neuroblastomas and other malignancies. In addition, TNFRII is the principal mediator of the effects of TNF on cellular immunity, and it may cooperate with TNFRI in the killing of nonlymphoid cells. The standard product used in this kit is recombinant human sTNFRII, consisting of 24-206 amino acid sequence with the molecular mass of 20KDa.
Synonyms:	CD120b, Etanercept, p75, p80 TNF alpha receptor, TBP2, TBPII, TNF R2, TNFBR, TNFR-II, TNFR2, TNFRII, Tumor necrosis factor binding protein 2, Tumor necrosis factor receptor 2, Tumor necrosis factor receptor superfamily member 1B, Tumor necrosis factor receptor superfamily member 1b, membrane form, Tumor necrosis factor receptor type II
Detection Kit Type:	ELISA Kit
Detection Range:	7.8 pg/ml - 500 pg/ml
Sensitivity:	<2 pg/ml

Target Details

Gene Name:	TNFRSF1B
Reactivity:	Human

Immunogen:	Expression system for standard: NSO; Immunogen sequence: L23-D257
Purity/Specificity:	Natural and recombinant human sTNFsR β . There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - P20333 • NCBI - NP_001057.1 • GenelD - 7133 • KOA0322 Protocol

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml, 31.3pg/ml, 15.6pg/ml, 7.8pg/ml human sTNFsR β 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, plasma(heparin, EDTA, citrate) or urine to each empty well. We recommend that each human sTNFsR β 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.

Formulation

Anticoagulant:	Heparin Sodium
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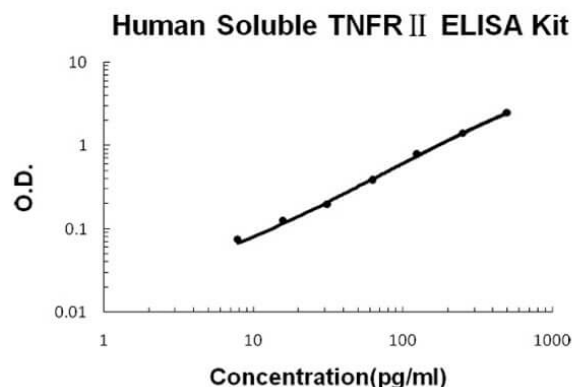
Shipping & Handling

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 sTNFsR II AccuSignal ELISA Kit standard curve. Assay
Range: 7.8pg/ml-500pg/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.