

Datasheet for KOA0321**Mouse TNFR1 ELISA Kit****Overview**

Description:	Mouse TNFR1 AccuSignal ELISA Kit - KOA0321
Item No.:	KOA0321
Size:	1 Kit
Applications:	ELISA
Reactivity:	Mouse
Range:	15.6 pg/ml - 1000 pg/ml

Product Details

Background:	Tumor necrosis factor receptor 1 (TNFR1), also known as tumor necrosis factor receptor superfamily member 1A (TNFRSF1A) and CD120a, is a ubiquitous membrane receptor that binds tumor necrosis factor-alpha (TNF alpha). The protein encoded by this gene is a member of the tumor necrosis factor receptor superfamily, which also contains TNFRSF1B. And this protein is one of the major receptors for the tumor necrosis factor-alpha. This receptor can activate the transcription factor NF-kB, mediate apoptosis, and function as a regulator of inflammation. Antiapoptotic protein BCL2-associated athanogene 4 (BAG4/SODD) and adaptor proteins TRADD and TRAF2 have been shown to interact with this receptor, and thus play regulatory roles in the signal transduction mediated by the receptor.
Synonyms:	CD120a, FPF, p55, p55 R, p60, p65, TBP1, TBPI, TNF R, TNF R I, TNF R55, TNF-R1, TNF-RI, TNFAR, TNFR I, TNFR1, TNFR55, TNFR60, TNFRI, TNFRSF1A, TNR1A_HUMAN, Tumor necrosis factor alpha receptor, Tumor necrosis factor binding protein 1, Tumor necrosis factor receptor 1, Tumor necrosis factor receptor superfamily member 1A, Tumor necrosis factor receptor superfamily member 1A, membrane form, Tumor necrosis factor receptor type I, Tumor necrosis factor-binding protein 1
Detection Kit Type:	ELISA Kit
Detection Range:	15.6 pg/ml - 1000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	TNFRSF1A
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Reactivity:	Mouse
Immunogen:	Expression system for standard: NSO; Immunogen sequence: L30-A212
Purity/Specificity:	Natural and recombinant mouse TNFR1. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - P25118 • NCBI - NP_035739.2 • GenelD - 21937 • KOA0321 Protocol

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml, 31.2pg/ml, 15.6pg/ml mouse TNFR1 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 or serum to each empty well. It is recommended that each mouse TNFR1 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.

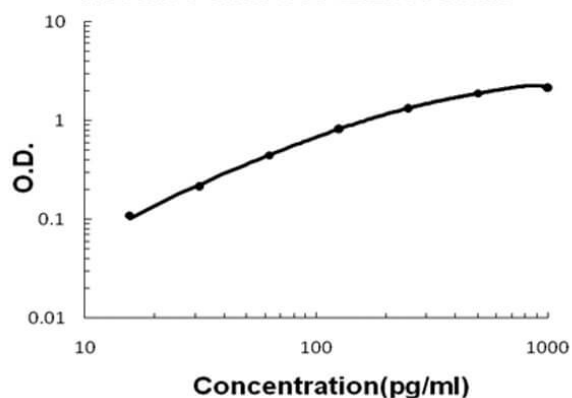
Formulation

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

Mouse TNFR1 ELISA Kit



ELISA

Mouse TNFR1 AccuSignal ELISA Kit standard curve. Assay
Range: 15.6pg/ml-1000pg/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.