

Datasheet for KOA0323**Mouse TNFR2 ELISA Kit****Overview**

Description:	Mouse TNFR2 AccuSignal ELISA Kit - KOA0323
Item No.:	KOA0323
Size:	1 Kit
Applications:	ELISA
Reactivity:	Mouse
Range:	15.6 pg/ml - 1000 pg/ml

Product Details

Background:	Tumor necrosis factor receptor 2(TNFR2) is one of receptors of TNF. TNF has proinflammatory and immunosuppressive properties that may segregate at the level of the 2 TNF receptors (TNFRs), TNFR1 and TNFR2. The genes for TNFR1, a 55-kDa protein, and TNFR2, a 70-kDa protein, have been mapped to human chromosomes 12(12pter-cen) and 1(1pter-p32), respectively. TNFR2 was induced on glomerular endothelial cells of nephritic kidneys, and TNFR2 expression on intrinsic cells, but not leukocytes, was essential for glomerulonephritis and glomerular complement deposition. TNFR1 promotes systemic immune responses and renal T cell death, while intrinsic cell TNFR2 plays a critical role in complement-dependent tissue injury. Therefore, therapeutic blockade specifically of TNFR2 may be a promising strategy in the treatment of immune-mediated glomerulonephritis.
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:	15.6 pg/ml - 1000 pg/ml
Sensitivity:	<1 pg/ml

Target Details

Gene Name:	TNFRSF1B
Reactivity:	Mouse

Immunogen:	Expression system for standard: NSO; Immunogen sequence: V23-G258
Purity/Specificity:	Natural and recombinant mouse TNFR2. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - P25119 • NCBI - NP_035740.2 • GeneID - 21938 • KOA0323 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 TNFR2 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 TNFR2 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

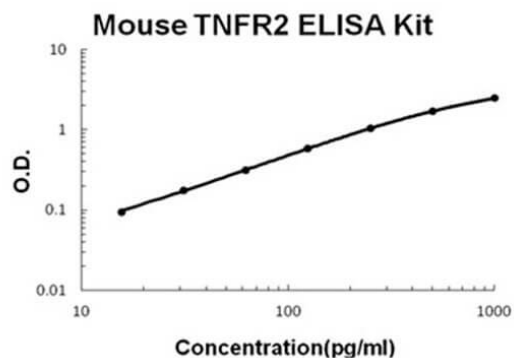
Shipping & Handling

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

ELISA

Mouse TNFR2 AccuSignal ELISA Kit standard curve. Assay
Range: 15.6pg/ml-1000pg/ml. Sensitivity: <1pg/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.