

Datasheet for KOA0600**Human TNFRSF16 - NGFR ELISA Kit****Overview**

Description:	Human TNFRSF16/NGFR AccuSignal ELISA Kit - KOA0600
Item No.:	KOA0600
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	62.5 pg/ml - 4000 pg/ml

Product Details

Background:	Nerve growth factor receptor (NGFR) is also referred to as p75(NTR) because of its ability to bind at low affinity not only to NGF, but also other neurotrophins including brain-derived neurotrophic factor (BDNF), neurotrophin-3 and neurotrophin-4/5. The nerve growth factor receptor gene is at human chromosome region 17q12-17q22, distal to the chromosome 17 breakpoint in acute leukemias. The neurotrophin receptor p75(NTR), a tumor necrosis factor receptor superfamily member expressed in hepatic stellate cells after fibrotic and cirrhotic liver injury in humans, is a regulator of liver repair. In mice, depletion of p75(NTR) exacerbated liver pathology and inhibited hepatocyte proliferation in vivo. In addition, it is showed that neurotrophins activate p75(NTR) to induce apoptosis through the induction of the sphingomyelin (SM) cycle and increased production of ceramide. Overexpression of p75(NTR) is also found to activate the SM pathway.
Synonyms:	CD271, CD271 antigen, Gp80 LNGFR, Low affinity nerve growth factor receptor, Low affinity neurotrophin receptor p75NTR, Low-affinity nerve growth factor receptor, Nerve growth factor receptor, Nerve growth factor receptor TNFR superfamily member 16, NGF receptor, NGFR, p75 ICD, p75 ICD, p75 Neurotrophin receptor, p75NTR, TNFR Superfamily Member 16, TNFRSF16, TNR16_HUMAN, Tumor necrosis factor receptor superfamily member 16
Detection Kit Type:	ELISA Kit
Detection Range:	62.5 pg/ml - 4000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name: NGFR

Reactivity:	Human
Immunogen:	Expression system for standard: sf21; Immunogen sequence: K29-N250
Purity/Specificity:	Natural and recombinant human TNFRSF16. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• KOA0600 SDS • UniProtKB - P08138 • NCBI - NP_002498.1 • GeneID - 4804 • KOA0600 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 TNFRSF16 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, citrate) to each empty well. It is recommended that each human TNFRSF16 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.
Other:	Sensitivity <10 pg/ml DOE: 4° 06/26/2025 -20° 12/26/2025

Formulation

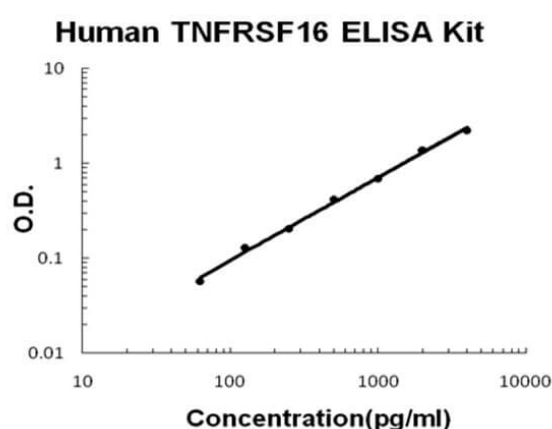
Concentration:	1 Kit
Anticoagulant:	Heparin Sodium

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 TNFRSF16/NGFR AccuSignal ELISA Kit standard curve.
Assay Range: 62.5pg/ml-4000pg/ml. Sensitivity: <10pg/ml.

References

- Kim H et al. A Phase 1 clinical trial to evaluate the safety and tolerability of CLZ-2002 for the treatment of patients with Charcot-Marie-Tooth disease type 1. *Stem Cells Transl Med.* (2026)

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.