

Datasheet for KOA0678**Rat TNFSF12 - TWEAK ELISA Kit****Overview**

Description:	Rat TNFSF12/TWEAK AccuSignal ELISA Kit - KOA0678
Item No.:	KOA0678
Size:	1 Kit
Applications:	ELISA
Reactivity:	Rat
Range:	15.6 pg/ml - 1000 pg/ml

Product Details

Background:	Tumor necrosis factor ligand superfamily member 12 also known as TNF-related weak inducer of apoptosis(TWEAK) is a protein that in humans is encoded by the TNFSF12 gene. The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor(TNF) ligand family. This protein is a ligand for the FN14/TWEAKR receptor. This cytokine has overlapping signaling functions with TNF, but displays a much wider tissue distribution. This cytokine can induce apoptosis via multiple pathways of cell death in a cell type-specific manner. This cytokine is also found to promote proliferation and migration of endothelial cells, and thus acts as a regulator of angiogenesis. The TNFSF12 gene lies 878 bp upstream of the putative transcriptional start site of the TNFSF13 gene on chromosome 17p13.1.
Synonyms:	APO 3 ligand, APO 3L, APO3 ligand, APO3/DR3 ligand, APO3L, CD255, DR3LG, MGC129581, MGC20669, TNF related weak inducer of apoptosis, TNF-related weak inducer of apoptosis, TNF12_HUMAN, TNFRS12a, TNFSF 12, TNFSF12, TNFSF12 protein, Tumor necrosis factor (ligand) superfamily member 12, Tumor necrosis factor ligand superfamily member 12, Tumor necrosis factor superfamily member 12, TWEAK, UNQ181/PRO207
Detection Kit Type:	ELISA Kit
Detection Range:	15.6 pg/ml - 1000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	TNFSF12
Reactivity:	Rat

Immunogen:	Expression system for standard: E.coli; Immunogen sequence: S94-H249
Purity/Specificity:	Natural and recombinant rat TNFSF12. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - Q6AYC1 • NCBI - NP_001001513.2 • GenelD - 360548 • KOA0678 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 rat TNFSF12 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 rat cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each rat TNFSF12 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:	Detection Range: 15.6 pg/ml - 1000 pg/ml DOE @ 4°C 01/31/2025 @ -20°C 07/31/2025 1

Formulation

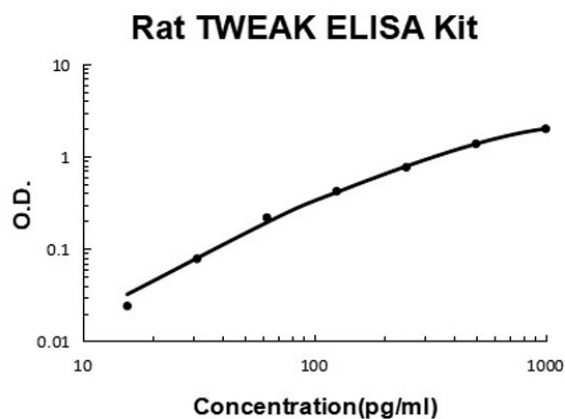
Concentration:	1 Kit
Anticoagulant:	Heparin Sodium

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

Rat TNFSF12/TWEAK ELISA Kit standard curve.

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.