

Datasheet for KOA0784**Mouse CD70 - TNFSF7 - cd27L ELISA Kit****Overview**

Description:	Mouse CD70/TNFSF7/cd27L AccuSignal ELISA Kit - KOA0784
Item No.:	KOA0784
Size:	1 Kit
Applications:	ELISA
Reactivity:	Mouse
Range:	31.2 pg/ml - 2000 pg/ml

Product Details

Background:	CD70(Cluster of Differentiation 70), also known as TNFSF7 or CD27L, is a ligand for CD27. This gene is mapped to 19p13.3. CD70 is a surface antigen found on activated, but not resting, T and B lymphocytes. It has been found that CD70 induced proliferation of costimulated T cells and enhanced generation of cytolytic T cells. CD70 is homologous to the ligands of the TNF receptor family, including TNF-alpha, TNF-beta, and the CD40 ligand, showing 19 to 24% amino acid sequence identity in the extracellular region.
Synonyms:	CD 27L, CD 70, CD27 L, CD27 LG, CD27 ligand, CD27-L, CD27L, CD27LG, CD70, CD70 antigen, CD70 molecule, CD70_HUMAN, Ki 24 antigen, Ki24 antigen, Surface antigen CD70, TNFSF 7, TNFSF7, Tumor necrosis factor (ligand) superfamily member 7, Tumor necrosis factor ligand superfamily member
Detection Kit Type:	ELISA Kit
Detection Range:	31.2 pg/ml - 2000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	CD70
Reactivity:	Mouse
Immunogen:	Expression system for standard: NSO; Immunogen sequence: S45-P195
Purity/Specificity:	Natural and recombinant mouse CD70. There is no detectable cross-reactivity with other relevant proteins.

Relevant Links:	• UniProtKB - O55237 • NCBI - NP_035747.1 • GeneID - 21948 • KOA0784 Protocol
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Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 2000pg/ml, 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml, 31.2pg/ml mouse CD70 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, serum or plasma (heparin, EDTA) to each empty well. It is recommended that each mouse CD70 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:	DOE: @4°C 08/03/2024 @ -20°C 02/01/2025

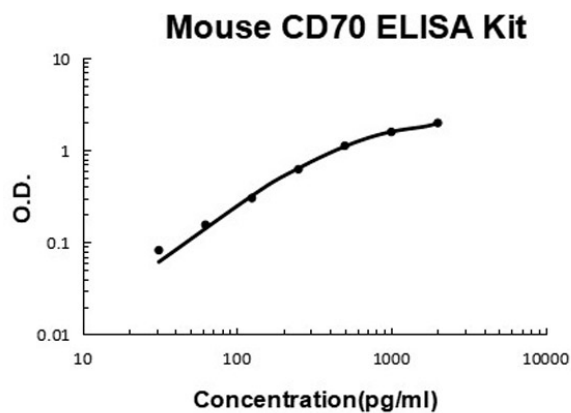
Formulation

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

Mouse CD70/TNFSF7/cd27L 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.