

Datasheet for KOA0348**Mouse CD30L ELISA Kit****Overview**

Description:	Mouse CD30L AccuSignal ELISA Kit - KOA0348
Item No.:	KOA0348
Size:	1 Kit
Applications:	ELISA
Reactivity:	Mouse
Range:	15.6 pg/ml - 1000 pg/ml

Product Details

Background:	The human CD30L(CD153) gene is located at 9q33. It contains 4 exons and spans more than 17.1 kb. CD153 is expressed on the surface of B cells and this expression is upregulated upon CD154 (CD40LG), IL4, and B-cell receptor engagement. In these cells, engagement of CD153 by T cell CD30 inhibits immunoglobulin class switch recognition as well as IgG, IgA, and IgE production, suggesting that this "reverse signaling" modulates the CD154-dependent switching of B cells into the pool producing IgG, IgA, and IgE. Additionally, recombinant human CD30L enhanced the proliferation of CD3 -activated T cells, but induced differential responses, including cell death, in several CD30-positive lymphoma-derived cell lines. The standard product used in this kit is recombinant mouse CD30L with the molecular mass of 30-45KDa.
Synonyms:	CD153 antigen, CD30 antigen ligand, CD30 L, CD30 ligand, CD30L, CD30LG, MGC138144, TNFSF8, Tumor necrosis factor (ligand) superfamily member 8, Tumor necrosis factor ligand superfamily member 8
Detection Kit Type:	ELISA Kit
Detection Range:	15.6 pg/ml - 1000 pg/ml
Sensitivity:	<6 pg/ml

Target Details

Gene Name:	TNFSF8
Reactivity:	Mouse
Immunogen:	Expression system for standard: NSO; Immunogen sequence: Q68-D239

Purity/Specificity: Natural and recombinant mouse CD30L. There is no detectable cross-reactivity with other relevant proteins.

Relevant Links:

- [UniProtKB - P32972](#)
- [NCBI - NP_033429.1](#)
- [GeneID - 21949](#)
- [KOA0348 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, 31.3pg/ml, 15.6pg/ml mouse CD30L 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. We recommend that each mouse CD30L standard solution and each sample is measured in duplicate.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

Formulation

Anticoagulant: Heparin Sodium

Shipping & Handling

Shipping Condition: Wet Ice

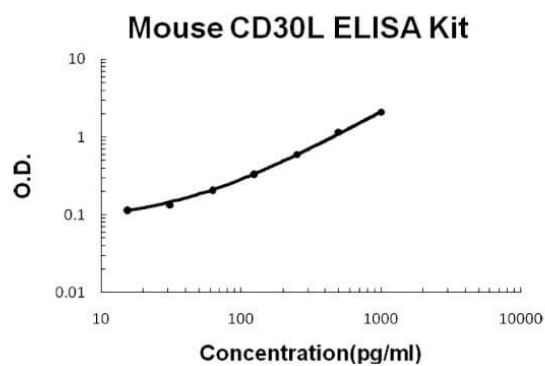
Storage Condition: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

Expiration: See kit insert for complete instructions.

Images

ELISA

Mouse CD30L AccuSignal ELISA Kit standard curve. Assay
Range: 15.6pg/ml-1000pg/ml. Sensitivity: <6pg/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.