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Datasheet for KOA0408

Mouse CD40 - TNFRSF5 ELISA Kit

Overview

Description:	Mouse CD40/TNFRSF5 AccuSignal ELISA Kit - KOA0408
Item No.:	KOA0408
Size:	1 Kit
Applications:	ELISA
Reactivity:	Mouse
Range:	15.6 pg/ml - 1000 pg/ml

Product Details

Background:	CD40 is a cell surface receptor that is expressed on the surface of all mature B cells, most mature B-cell malignancies, and some early B-cell acute lymphocytic leukemias, but is not expressed on plasma cells. The CD40 gene is localized to the long arm of chromosome 20, bands q12-q13.2. The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor has been found to be essential in mediating a broad variety of immune and inflammatory responses including T cell-dependent immunoglobulin class switching, memory B cell development, and germinal center formation.
Synonyms:	B cell associated molecule|B cell associated molecule CD40, B cell surface antigen CD40, Bp50, CD40 antigen, CD40 molecule, CD40 molecule TNF receptor superfamily member 5, CD40 protein, CD40 type II isoform, CD40L receptor, Nerve growth factor receptor related B lymphocyte activation molecule, NFRSF5, p50, T BAM, TBAM, TNF receptor superfamily member 5, TNFRSF5, TRAP, Tumor necrosis factor receptor superfamily member 5, Tumor necrosis factor receptor superfamily member 5 precursor
Detection Kit Type:	ELISA Kit
Detection Range:	15.6 pg/ml - 1000 pg/ml
Sensitivity:	<1 pg/ml

Target Details

Gene Name:	CD40
Reactivity:	Mouse

Immunogen:	Expression system for standard: NSO; Immunogen sequence: V24-R193
Purity/Specificity:	Natural and recombinant mouse CD40. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - P27512 • NCBI - NP_035741.2 • GeneID - 21939 • KOA0408 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 CD40 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, cell lysates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each mouse CD40 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.

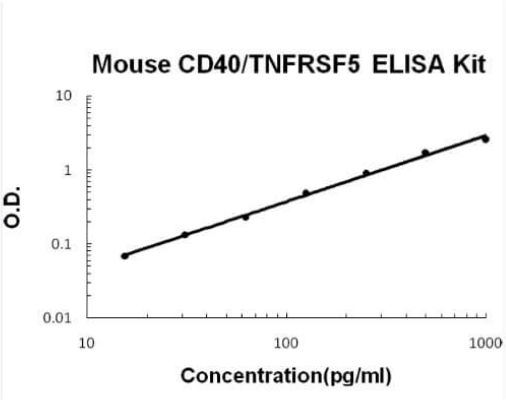
Formulation

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 CD40/TNFRSF5 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.