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Datasheet for KOA0655

Mouse TNFRSF9 - 4-1BB ELISA Kit

Overview

Description:	Mouse TNFRSF9/4-1BB AccuSignal ELISA Kit - KOA0655
Item No.:	KOA0655
Size:	1 Kit
Applications:	ELISA
Reactivity:	Mouse
Range:	31.2 pg/ml - 2000 pg/ml

Product Details

Background:	CD137 is a member of the tumor necrosis factor(TNF) receptor family. Its alternative names are tumor necrosis factor receptor superfamily member 9(TNFRSF9), 4-1BB and induced by lymphocyte activation(ILA). CD137 gene was localized to chromosome 1p36.Members of this receptor family and their structurally related ligands are important regulators of a wide variety of physiological processes and play an especially important role in the regulation of immune responses. CD137 can be expressed by activated T cells, but to a larger extent on CD8 than on CD4 T cells. The best characterized activity of CD137 is its costimulatory activity for activated T cells. Crosslinking of CD137 enhances T cell proliferation, IL-2 secretion survival and cytolytic activity. Further, it can enhance immune activity to eliminate tumors in mice.
Synonyms:	4-1BB, 4-1BB ligand receptor, CD137, CD137 antigen, CDw137, Homolog of mouse 4 1BB, ILA, Induced by lymphocyte activation (ILA), Interleukin activated receptor homolog of mouse Ly63, Receptor protein 4 1BB, T-cell antigen 4-1BB homolog, T-cell antigen ILA, TNFRSF9, TNR9_HUMAN, Tumor necrosis factor receptor superfamily member 9
Detection Kit Type:	ELISA Kit
Detection Range:	31.2 pg/ml - 2000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	TNFRSF9
Reactivity:	Mouse

Immunogen:	Expression system for standard: NSO; Immunogen sequence: V24-L187
Purity/Specificity:	Natural and recombinant mouse TNFRSF9. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - P20334 • NCBI - NP_001070977.1 • GeneID - 21942 • KOA0655 Protocol

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 TNFRSF9 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 TNFRSF9 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.

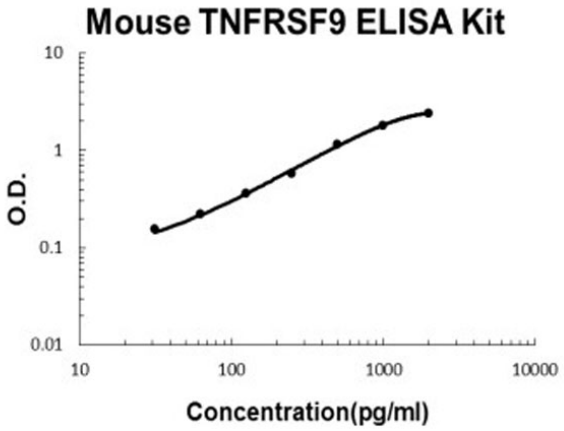
Formulation

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 TNFRSF9/4-1BB 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.