

Datasheet for KOA0576**Human MIA ELISA Kit****Overview**

Description:	Human MIA AccuSignal ELISA Kit - KOA0576
Item No.:	KOA0576
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	15.6 pg/ml - 1000 pg/ml

Product Details

Background:	Melanoma Inhibiting Activity(MIA), also known as cartilage-derived retinoic acid-sensitive protein(CD-RAP), is an approximately 11-15 kDa protein that is expressed as a noncovalent homodimer. MIA is structurally related to OTOR/Otoraplin and MIA-2 in a small family of secreted proteins with one SH3 domain(1-3). And the MIA gene was mapped to 19q13.32-q13.33 by fluorescence in situ hybridization. Beside, It is a marker for malignant melanoma. MIA functions as a chemoattractant for mesenchymal stem cells and enhances their BMP-2 and TGF-beta3 induced differentiation into chondrocytes . MIA-deficient mice exhibit delayed chondrocyte differentiation but enhanced chondrocyte proliferation and cartilage repair .
Synonyms:	CD RAP, melanoma inhibitory activity, Melanoma inhibitory activity protein, Melanoma-derived growth regulatory protein, Mia, MIA_HUMAN
Detection Kit Type:	ELISA Kit
Detection Range:	15.6 pg/ml - 1000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	MIA
Reactivity:	Human
Immunogen:	Expression system for standard: E.coli; Immunogen sequence: G25-131Q
Purity/Specificity:	Natural and recombinant human MIA. There is no detectable cross-reactivity with other relevant proteins.

Relevant Links:

- [UniProtKB - Q16674](#)
- [NCBI - NP_001189482.1](#)
- [GeneID - 8190](#)
- [KOA0576 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 human MIA 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 human cell culture supernates, serum, plasma(heparin, EDTA) or saliva to each empty well. It is recommended that each human MIA 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

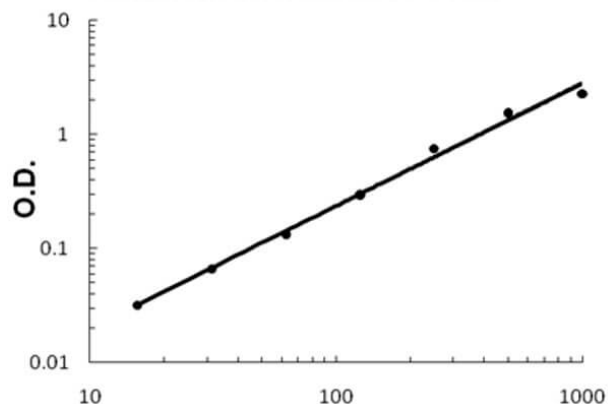
Anticoagulant:	Heparin Sodium
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Shipping & Handling

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

Human MIA ELISA Kit



ELISA

Human MIA AccuSignal ELISA Kit standard curve. Assay Range: 15.6pg/ml-1000pg/ml. Sensitivity: <10pg/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.