

Human MIA ELISA Kit | MIA elisa kit

Human MIA PicoKine ELISA Kit

CATALOG #
AAA45553

REACTIVITY
Human

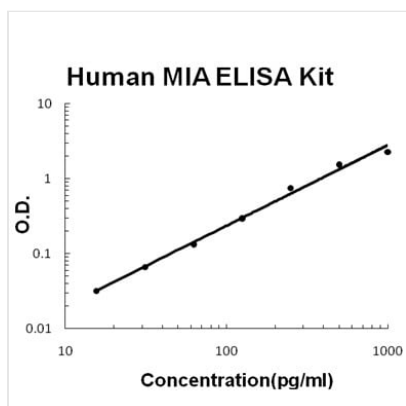
PRODUCT SYNONYMS

MIA; Human MIA PicoKine ELISA Kit; Melanoma-derived growth regulatory protein; melanoma inhibitory activity; CD RAP; Melanoma inhibitory activity protein; Mia; MIA_HUMAN; MIA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human MIA
Sequence Length	131
Samples	Cell culture supernates, serum, plasma (heparin, EDTA) and saliva
Assay Type	Sandwich
Detection Range	15.6pg/ml-1000pg/ml
Sensitivity	< 10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Human MIA PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for MIA elisa kit	Principle of the assay: human MIA ELISA Kit is based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for MIA has been precoated onto 96-well plates. Standards(E.coli, G25-131Q) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for MIA is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex is added and unbound conjugates are washed away with PBS or TBS buffer. HRP substrate TMB are used to visualize HRP enzymatic reaction. TMB is catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the human MIA amount of sample captured in plate. 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	2498559
NCBI GeneID	8190
UniProt Accession #	Q16674; Q6FHV3
Molecular Weight	6,361 Da
NCBI Official Full Name	Melanoma-derived growth regulatory protein
NCBI Official Synonym Full Names	melanoma inhibitory activity
NCBI Official Symbol	MIA
NCBI Official Synonym Symbols	CD-RAP
NCBI Protein Information	melanoma-derived growth regulatory protein
UniProt Protein Name	Melanoma-derived growth regulatory protein
UniProt Gene Name	MIA
UniProt Entry Name	MIA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.