

Datasheet for KOA0803**Human Mesothelin ELISA Kit****Overview**

Description:	Human Mesothelin AccuSignal ELISA Kit - KOA0803
Item No.:	KOA0803
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	156 pg/ml - 10,000 pg/ml

Product Details

Background:	Mesothelin, also known as MSLN or MPF is a protein that in humans is encoded by the MSLN gene. This gene is mapped to 16p13.3. This gene encodes a precursor protein that is cleaved into two products, megakaryocyte potentiating factor and mesothelin. Megakaryocyte potentiation factor functions as a cytokine that can stimulate colony formation in bone marrow megakaryocytes. Mesothelin is a glycosylphosphatidylinositol-anchored cell-surface protein that may function as a cell adhesion protein. This protein is overexpressed in epithelial mesotheliomas, ovarian cancers and in specific squamous cell carcinomas.
Synonyms:	CAK 1, CAK1, CAK1 antigen, cleaved form, Megakaryocyte potentiating factor, Mesothelin, Mesothelin isoform 1 precursor, MPF, MSLN, MSLN_HUMAN, Pre pro megakaryocyte potentiating factor, Pre-pro-megakaryocyte-potentiating factor, SMR, SMRP, Soluble MPF mesothelin related protein
Detection Kit Type:	ELISA Kit
Detection Range:	156 pg/ml - 10,000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	MSLN
Reactivity:	Human
Immunogen:	Expression system for standard: NSO; Immunogen sequence: E296-G580

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

Relevant Links:

- [UniProtKB - Q13421](#)
- [NCBI - NP_001170826.1](#)
- [GeneID - 10232](#)
- [KOA0803 Protocol](#)

Application Details

Tested Applications: ELISA

Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 10,000pg/ml, 5000pg/ml, 2500pg/ml, 1250pg/ml, 625pg/ml, 312pg/ml, 156pg/ml human Mesothelin 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), saliva or urine to each empty well. It is recommended that each human Mesothelin 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.

Other: DOE:
2-8° C - 12/17/2020
-20° C - 06/17/2021

Formulation

Concentration: 1 Kit

Anticoagulant: Heparin Sodium

Shipping & Handling

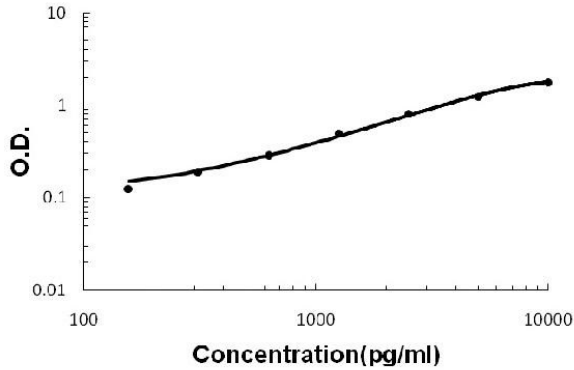
Shipping Condition: Wet Ice

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

Human Mesothelin ELISA Kit



ELISA

Human Mesothelin 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.