

Product datasheet

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ARG81556 Human Mesothelin ELISA Kit

Package: 96 wells Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81556-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81556-002	Standard	2 X 10 ng/vial	4°C
ARG81556-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81556-004	Antibody conjugate concentrate (100X)	1 vial (100 μl)	4°C
ARG81556-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81556-006	HRP-Streptavidin concentrate (100X)	1 vial (100 μl)	4°C
ARG81556-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81556-008	25X Wash buffer	20 ml	4°C
ARG81556-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81556-010	STOP solution	10 ml (Ready to use)	4°C
ARG81556-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81556 Human I	Mesothelin ELISA Kit	is an Enzyme Im	imunoassay kit for the	quantification of Human	

Mesothelin in serum, plasma (heparin, EDTA), saliva, urine and cell culture supernatants.

Tested Reactivity Hu

Tested Application ELISA

Specificity There is no detectable cross-reactivity with other relevant proteins.

Target Name Mesothelin

Conjugation HRP

Conjugation Note Substrate: TMB and read at 450 nm.

Sensitivity 78 pg/ml

Sample Type Serum, plasma (heparin, EDTA), saliva, urine and cell culture supernatants.

Standard Range 156 - 10000 pg/ml

Sample Volume $100 \ \mu l$

Precision Intra-Assay CV: 5.4%

Inter-Assay CV: 6.6%

Alternate Names MPF; Mesothelin; CAK1 antigen; Pre-pro-megakaryocyte-potentiating factor; SMRP

Application Instructions

Assay Time ~ 5 hours

Properties

Form 96 well

Storage instruction Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test

reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual

for detail temperatures of the components.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol MSLN

Gene Full Name mesothelin

Background 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. Mesothelian is a glycosylphosphatidylinositolanchored 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.

Alternative splicing results in multiple transcript variants.[provided by RefSeq, Apr 2010]

Function Membrane-anchored forms may play a role in cellular adhesion.

Megakaryocyte-potentiating factor (MPF) potentiates megakaryocyte colony formation in vitro.

[UniProt]

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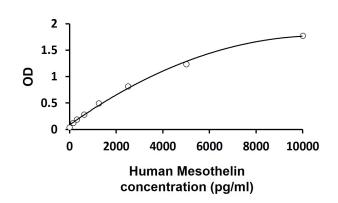
Mesothelin antibodies; Mesothelin ELISA Kits;

New ELISA data calculation tool: Simplify the ELISA analysis by GainData

PTM Both MPF and the cleaved form of mesothelin are N-glycosylated.

Proteolytically cleaved by a furin-like convertase to generate megakaryocyte-potentiating factor (MPF),

and the cleaved form of mesothelin. [UniProt]



ARG81556 Human Mesothelin ELISA Kit standard curve image

ARG81556 Human Mesothelin ELISA Kit results of a typical standard run with optical density reading at 450 nm.