

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 Mesothelin ELISA Kit is an Enzyme Immunoassay 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 µl

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

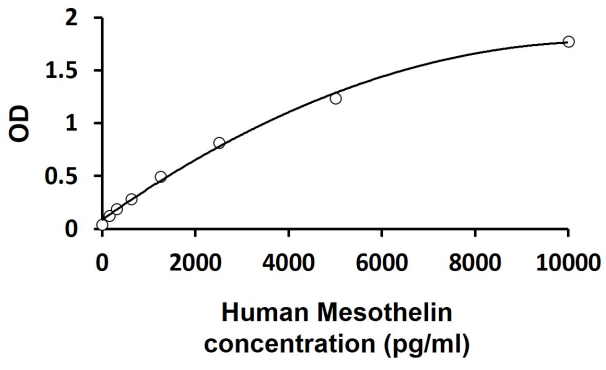
Assay Time	~ 5 hours
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Properties

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. 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. 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]
Highlight	Related products: 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.