

ARG82620 Human MUC16 / CA125 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82620-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82620-002	Standard	2 X 10 ng/vial	4°C
ARG82620-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82620-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82620-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82620-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82620-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82620-008	25X Wash buffer	20 ml	4°C
ARG82620-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82620-010	STOP solution	10 ml (Ready to use)	4°C
ARG82620-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82620 Human MUC16 / CA125 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human MUC16 / CA125 in Human serum, plasma (EDTA, heparin), cell culture supernatants, saliva, urine and milk.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	MUC16 / CA125
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	10 pg/ml
Sample Type	Serum, plasma (EDTA, heparin), cell culture supernatants, saliva, urine and milk.
Standard Range	15.6 - 1000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.5% Inter-Assay CV: 6.2%
Alternate Names	Mucin-16; MUC-16; Ovarian carcinoma antigen CA125; CA125; Ovarian cancer-related tumor marker CA125; CA-125

Application Instructions

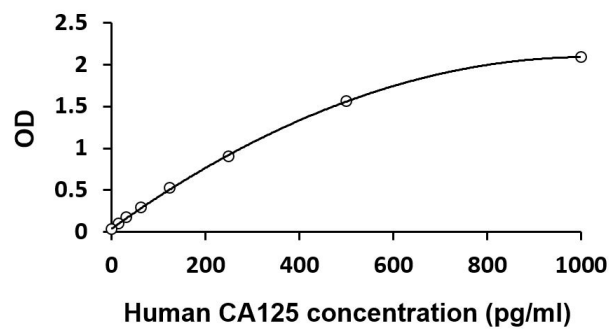
Assay Time	~ 5 hours
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Properties

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	MUC16
Gene Full Name	mucin 16, cell surface associated
Function	Thought to provide a protective, lubricating barrier against particles and infectious agents at mucosal surfaces. [UniProt]
Highlight	Related products: MUC16 antibodies ; MUC16 ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	Heavily O-glycosylated; expresses both type 1 and type 2 core glycans. Heavily N-glycosylated; expresses primarily high mannose and complex bisecting type N-linked glycans. May be phosphorylated. Phosphorylation of the intracellular C-terminal domain may induce proteolytic cleavage and the liberation of the extracellular domain into the extracellular space. May contain numerous disulfide bridges. Association of several molecules of the secreted form may occur through interchain disulfide bridges providing an extraordinarily large gel-like matrix in the extracellular space or in the lumen of secretory ducts. [UniProt]
Cellular Localization	Cell membrane; Single-pass type I membrane protein. Secreted, extracellular space. Note=May be liberated into the extracellular space following the phosphorylation of the intracellular C-terminus which induces the proteolytic cleavage and liberation of the extracellular domain. [UniProt]



ARG82620 Human MUC16 / CA125 ELISA Kit standard curve image

ARG82620 Human MUC16 / CA125 ELISA Kit results of a typical standard run with optical density reading at 450 nm.