

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

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| 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 |

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| 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

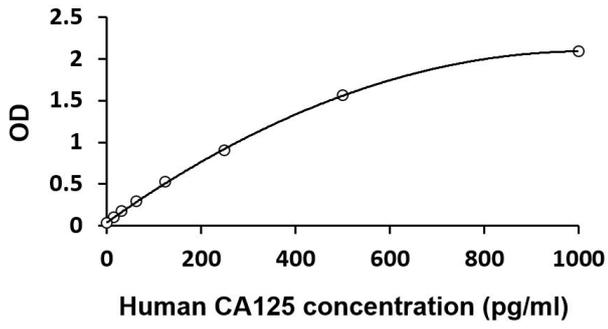
| | |
|------------|-----------|
| Assay Time | ~ 5 hours |
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Properties

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| 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

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|-----------------------|---|
| 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.