MUC1 (Human) ELISA Kit

Catalog # KA7215 Size 1 Kit

Specification

Product Description	MUC1 (Human) ELISA Kit is a sandwich enzyme immunoassay for quantitative measurement of MUC1.
Suitable Sample	Serum, Plasma
Sample Volume	1 uL
Intra-Assay	0.02
Inter-Assay	0.02
Spiking Recovery	1.008
Calibration Range	0.156 to 10 unit/mL
Limit of Detection	0.04 unit/mL
Reactivity	Human
Regulation Status	For research use only (RUO)
Storage Instruction	Store at 4°C.

Applications

- Quantification

Gene Info — MUC1

Entrez GeneID	4582
Gene Name	MUC1

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Gene Alias	CD227, EMA, H23AG, MAM6, PEM, PEMT, PUM
Gene Description	mucin 1, cell surface associated
Omim ID	158340
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of the mucin family and encodes a membrane bound, glycosylated phosphoprotein. The protein is anchored to the apical surface of many epithelia by a transmembrane domain, with the degree of glycosylation varying with cell type. It also includes a 20 aa variable number tandem repeat (VNTR) domain, with the number of repeats varying from 20 to 120 in different individuals. The protein serves a protective function by binding to pathogens and also functions in a cell signaling capacity. Overexpression, aberrant intracellular localization, and changes in glycosylation of this protein have been associated with carcinomas. Multiple alternatively spliced transcript variants that encode different isoforms of this gene have been reported, but the full-length nature of only some has been determined. [provided by RefSeq
Other Designations	DF3 antigen|H23 antigen|MUC-1/SEC|MUC-1/X|MUC1/ZD|OTTHUMP00000033787|OTTHUMP00000033790|OTTHUMP00000033795|breast carcinoma-associated antigen DF3|episialin|mucin 1|mucin 1, transmembrane|peanut-reactive urinary mucin|polymorphic epithelial mucin|tumor as

Disease

- Adenocarcinoma
- Asthma
- Attention Deficit Disorder with Hyperactivity
- Autistic Disorder
- Breast cancer
- Breast Neoplasms
- Bronchiolitis
- Carcinoma
- Chronic Disease
- Disease Susceptibility
- Gastritis
- Genetic Predisposition to Disease
- Helicobacter Infections

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- Infant
- Kidney Failure
- Lung Diseases
- Lung Neoplasms
- Metaplasia
- NARP
- Neoplasms
- Ovarian cancer
- Ovarian Neoplasms
- Prostate cancer
- Prostatic Neoplasms
- Respiratory Syncytial Virus Infections
- Sarcoidosis
- Stomach Neoplasms

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