OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TA386532

EMA (MUC1) Mouse Monoclonal Antibody [Clone ID: PAM4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	PAM4
Applications:	ELISA, FC, IHC, WB
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1, kappa
Clonality:	Monoclonal
Immunogen:	The original antibody was raised by immunization of mice with the PAM4 antigen.
Specificity:	This antibody is specific for the PAM4 domain of the human MUC1 protein. This antibody was used for immunohistochemistry on normal adult tissues and neoplastic tissues. This yielded no to weak staining in normal tissue and stronger staining in 85% of the neoplastic tissue (US7238786). ELISA was performed on blood serum of healthy humans, pancreatic cancer patients, pancreatitis patients, ovarian cancer patients and breast cancer patients (US7238786). This antibody was used to treat mice that were given the CaPanl tumor. The animals showed regression of tumor (US7238786). ELISA was performed on blood sera of cancer patients using this antibody (Gold et al, 2005; pmid:16344318). Immunohistochemistry was performed on 63 PanIN and 36 IPMN lesions using this antibody (Gold et al, 2007; pmid:18094420). Flow cytometry was performed on the cell lines: RPMI 8226, U266, MC/CAR JJN-3, KMS12-BM, KMS 12-PE, DUL4, MUC1, breast carcinoma cell lines, MCF7, MDA-MB468, T47D, ZR-75-30, and a pancreatic carcinoma cell line, CaPan-1. This was done using this antibody (Burton et al, 1999; pmid:10541345). A western blot was performed using this antibody (Burton et al, 1999; pmid:10541345).
Formulation:	PBS with 0.02% Proclin 300.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Please store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Avoid freeze and thaw cycles.
Stability:	3 years from dispatch.

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Gene Name:	mucin 1, cell surface associated
Database Link:	Entrez Gene 4582 Human P15941
Synonyms:	CD227; EMA; episialin; H23AG; KL-6; MAM6; MUC-1; MUC-1/SEC; MUC-1/X; MUC1/ZD; PEM; PEMT; PUM