

## Product datasheet for **TA386533**

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

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	PAM4
Applications:	ELISA, FC, IHC, WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG, 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 CaPan1 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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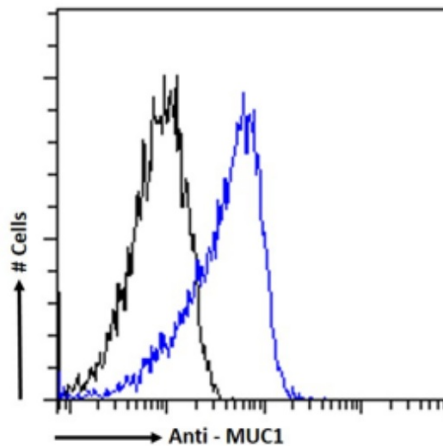
**Gene Name:** mucin 1, cell surface associated

**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

**Note:** This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.

### Product images:



Flow cytometry using the Anti-MUC1 antibody PAM4 (TA386533). Paraformaldehyde fixed MCF7 cells permeabilized with 0.5% Triton were stained with anti-unknown specificity antibody ([TA385792]; isotype control, black line) or the rabbit IgG version of PAM4 (TA386533, blue line) at a dilution of 1:100 for 1h at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG AlexaFluor® 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.