MUC1
Mouse Anti-Human Mucin 1 Clone VU-2G7 mAb

Catalog No.	MON6050	**Quantity:**	100 µg

Alternate Names: CD227, EMA, H23AG, MAM6, PEM, PEMT, PUM, DF3 antigen, H23 antigen, MUC -1/SEC, MUC-1/X, MUC1/ZD, breast carcinoma-associated antigen DF3, episialin, mucin 1, mucin 1, transmembrane, peanut-reactive urinary mucin, polymorphic epithelial mucin, tumor associated epithelial mucin

Description: VU-2G7 reacts with MUC1, a large transmembrane glycoprotein expressed on the ductal surface of normal glandular epithelia. The extracellular domain of MUC1 largely consists of a highly conserved, O-glycosylated 20 aminoacids tandem repeat which can occur 30 -100 times per molecule depending on the length of the allele involved. In the vast majority of human carcinomas this protein is upregulated and poorly glycosylated and appears on the cell surface in a non-polarized fashion. The dominant epitope of VU-2G7 has not been established with “epitope fingerprinting”.
Source: A Balb/c mouse was immunized with synthetically glycosylated MUC1 60mer tandem repeat NH_2-(HGVTSAPDT(GalNAc)RPAPGSTAPPAHG)$_3$-COOH, conjugated to bovine serum albumin. Splenocytes were fused with SP2/0 mouse myeloma cells.

Concentration: 100 ug/ml.

Gene ID: 4582

Host: Mouse

Isotype: IgG1

Clone: VU-2G7

Formulation: 100 µg purified material in PBS with 0.05% sodium azide. **Precaution:** Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.

Applications: VU-2G7 has been tested on frozen and paraffin sections and is also useful in ELISA.

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