

MUC1

Mouse Anti-Human Mucin 1 Clone VU-3C6 mAb

Catalog No.	MON6043	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-3C6 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 mAb VU3C6 is the 12-mer GVTSAPDTRPAP of the MUC1 tandem repeat as established with "epitope fingerprinting".		
Concentration:	100 ug/ml.		
Gene ID:	4582		
Source:	A Balb/c mouse was immunized with live cells (107 cells/dose in PBS) of human breast cancer cell line ZR-75-1. Splenocytes were fused with SP2/0 mouse myeloma cells. Stability of the hybridomas was established by subcloning four times.		
Host:	Mouse		
Isotype:	IgG1		
Clone:	VU-3C6		
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:	The antibody has been tested on frozen sections of human ovarian carcinoma tissue and in ELISA specifically binds to a BSA conjugated 60mer MUC1 tandem repeat. Immunoreactivity demonstrated with paraffin sections of normal breast tissue, but very weakly with sections of small intestine and colon.		

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