Category:	Cat. #	Product Name:
Monoclonal Antibodies	V7056-2	**MUC1**

Description:
Monoclonal Mouse Anti-Human Polymorphic Epithelial Mucin, MUC1.

Immunogen:
Human breast cancer cell line ZR-75-1.

Application:
Immunohistochemistry 1:50; ELISA 1:500-1:5000.

Species Reactivity:
Human. Others not tested.

Recommended Positive Control:
Breast Carcinoma, Colon Carcinoma and Ovarian Carcinoma.

Presentation:
20 mM tris-borate, 150 mM Sodium Chloride, dialyzed media RPMI 1640/D-MEM containing fetal bovine serum, BMC-6 carrier polysaccharides, carrier protein, and 0.05% Sodium Azide, pH 7.5.

Aliquoting Instructions:
Do not dilute the entire reconsituted solution at once. Withdraw aliquots as needed with a micropipette and keep concentrated stock at 4°C. Dilute according to the particular application being used. In general, the 0.05M borate pH 8.0 containing 0.15M sodium chloride, 0.02% sodium azide, is a good dilutent to use with most antibodies.

Staining Procedure:
This antibody can be used on frozen and formalin-fixed, paraffin-embedded tissue sections. Prolonged fixation in buffered formalin can destroy the epitope. The antibody may be used at a dilution of 1:50. It is recommended that this product be used on frozen tissue sections or specimens. The optimal conditions should be determined by the individual laboratory.

Specificity:
The dominant epitope of this antibody is the 5-mer PDTRP of MUC1 tandem repeat as established with "epitope fingerprinting."

Storage:
Store at 2~8o C for short term, freeze under -20oC for long term storage.

Size: 0.2mg
Clone: B371(Vu-4-C2)
Isotype: IgG1
Host: Mouse
Form: Purified
Concentration: 0.5 mg/ml
Units On Hand: YES

References:
1. Schol, D.J., et al., "Epitope fingerprinting" using overlapping 20-mer peptides of the MUC1 tandem repeat sequence. Tumor Biol. Suppl. in press.
2. Price, N.R., et al., Analysis of 56 monoclonal antibodies against the MUC1 mucin. Tumor Biol. Suppl. in press.

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