



Category: Monoclonal Antibodies **Cat. #** V1182 **Product Name:** Cytokeratin 5/8

Description:
Monoclonal Mouse Anti-Human Cytokeratin 5/8 (58, 52.5 kD)

Immunogen:
Cytoskeleton preparation of HeLa cells.

Application:
Immunohistochemistry 1:50-1:100. Western Blotting 1:100-1:300.

Species Reactivity:
Human. Others not tested.

Recommended Positive Control:
Skin

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 reconstituted 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 diluent to use with most antibodies. Avoid diluting the entire contents of the vial at once since the diluted solution may have reduced stability.

Staining Procedure:
This antibody can be used on frozen or 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 -1:100. It is recommended that this product be used on frozen tissue sections or specimens. The optimal conditions should be determined by the individual laboratory. When using formalin-fixed, paraffin-embedded tissues, a high temperature antigenic unmasking technique is strongly recommended.

Specificity:
This antibody reacts with human cytokeratin 5 (58 kD) and cytokeratin 8 (52.5 kD) peptides. Cytokeratin 5 is expressed by basal cells and suprabasal cells of stratified epithelium. In some cases this antibody may not recognize the cytokeratin 5 peptide in paraffin-embedded, formalin-fixed tissue. This antibody also reacts with cytokeratin 8, which is present on simple epithelial cells.

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

Size: 0.2mg
Clone: B27.1 (C50)
Isotype: IgG1
Host: Mouse
Form: Purified
Concentration: 0.5mg/ml
Units On Hand: YES

References:
1. Kovarik, et al., J. Tumor Oncol. 5: 219, 1990.
2. Bartlek J, et al., J. Pathol. 164: 215-224, 1991.

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