



<b>Category:</b> Monoclonal Antibodies	<b>Cat. #</b> 1107NF-V1182	<b>Product Name:</b> Cytokeratin 5/8
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**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. When diluting for immunohistochemistry, ELISA or western blot, make the dilution in Antibody Diluting Buffer. 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 -100 in IHC. 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:** 0.5 ml

**Clone:** B27.1 (C50)

**Isotype:** IgG1

**Host:** Mouse

**Form:** Concentrated

**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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