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Monoclonal Antibody to Cytokeratin 5,6 & 18

Alternate names: CK18, CK5, CK6, Cytokeratin 18, Cytokeratin 6, K18, K5, K6, KRT-5, KRT-6, KRT-8, KRT5, KRT6, KRT8, Keratin type I cytoskeletal 18, Keratin type II cytoskeletal 5, Keratin type II cytoskeletal 6

Catalog No.: DM051S

Quantity: 0.5 ml

Host / Isotype: Mouse / IgG1

Clone: LP34

Immunogen: Detergent insoluble extract from Human Psoriatic Epidermis

Applications: Immunohistochemistry on frozen and paraffin embedded sections. Prolonged fixation in buffered formalin can destroy the epitope. The antibody may be used at a dilution of 1:50 to 1:100 with AutoProbe III (Cat. No. 08-803). The Auto/Zyme (Cat. No. M34) predigestion is strongly recommended for formalin-fixed tissues. Recommended positive control: Skin, Colonic Cancer. Other applications not tested. Optimal dilutions of this antibody are dependent on conditions and should be determined by the user.
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Specificity: This antibody reacts with Cytokeratin 5, 6 and 18 (58, 56 and 45 kD) polypeptides. This antibody shows a broad pattern of reactivity with human epithelial tissues, from simple glandular epithelia to stratified squamous epithelia. Epithelial cells are recognized whether they are ectodermal, mesodermal, or endodermal in origin. Reacts with human and rat. Cellular Localization: cytoplasmic.

Storage: Store the antibody at 4°C. Do not freeze! Shelf life: one year from despatch.

Aliquoting Instructions: Do not dilute the entire reconstituted solution at once. Withdraw aliquots as needed with a micropipette and keep concentrated stock at 4C. Dilute according to the particular application being used. In general, the 0.05M Borate pH 8.0 containing 0.15M Sodium Chloride, 0.05% Sodium Azide, is a good dilutent to use with most antibodies. Avoid diluting the entire contents of the vial at once since the diluted solution may have reduced stability.

General Readings:

1. Moll R. et al. Cell, 31: 11-22, 1982.
2. Balaton