

Monoclonal Mouse Antibody to Human Cytokeratin 18

Description:

Immunogen:	PMC-42 human breast carcinoma cell line.
Clone:	DC10.
Isotype:	IgG1, Kappa.
Format:	This antibody is supplied as tissue culture supernatant containing sodium azide as preservative.
Specificity:	This antibody recognizes keratin polypeptide of 45 kD. In normal tissues, it reacts with a large number of epithelial cell types, including ductal and glandular epithelia. This antibody does not react with squamous epithelia. Most of the adenocarcinomas, basal cell carcinomas and benign and malignant epithelial lesions stain with this antibody.
Titer/Working Dilution:	This antibody may be diluted to a titer of 1:10-1:20 in an immunohistochemistry application. However, depending on the staining conditions employed, we suggest that final dilution should be determined by the user.

Uses/Limitations: Immunohistochemistry
For Research Use Only.
Do not use past expiration date.

Storage: 2-8° Centigrade.

Procedure: Paraffin-embedded tissue sections have to be treated in a microwave oven prior to immunostaining procedure. Fill the plastic jar with 10 mM citrate buffer, pH 6.0 (To 2.1 g of citric acid, add 1L of distilled water. Adjust pH to 6.0 with 2M NaOH). Treat the slides in the microwave oven at a power of 750 watts or above for 2-5 times, depending on the tissue fixation, for 5 minute each. Refill the jar with the buffer between the treatments. Leave the slide at room temperature for about 20 minutes, after the last treatment. Do not let the slides dry during the entire procedure.

We suggest an incubation period of 30-60 minutes at room temperature. However, depending upon the fixation conditions and the staining system employed, optimal incubation should be determined by the user.

Precautions: Contains Sodium Azide as a preservative.
Do not pipette by mouth.

References:

1. Lauerova et al. Hybridoma 7: 495, 1988.
2. Bartek et al. J Pathol 164: 215, 1991.
3. Ramaekers et al. Am J Pathol 136: 641, 1990.