

**MOUSE ANTI-CYTOKERATIN 5/6  
MONOCLONAL ANTIBODY**

- CATALOG NUMBER:** MAB1620 (formerly Roche Catalog Number 1273396)
- LOT NUMBER:**
- QUANTITY:** 50 µg
- CONCENTRATION:** 1 mg/mL
- SPECIFICITY:** Reacts with human cytokeratin 5 on immunoblots of cytoskeletal preparations of epidermis and non-cytokeratinizing epithelium (3) and on tissue sections. Shows reactivity with cytokeratin 6 and weak reactivity with cytokeratin 4 on immunoblots. No cross-reactivity with cytokeratins 1, 7, 8, 10, 13, 14, 18 or 19. MAB1620 recognizes basal cells and a part of stratum spinosum in the normal pavement epithelium. The antibody may be useful for distinction of low differentiated pavement epithelium carcinoma and adenocarcinoma. The antibody works on formalin fixed tissues.
- IMMUNOGEN:** Purified cytokeratin 5 (1,2)
- ISOTYPE:** IgG<sub>1</sub>
- CLONE:** D5/16 B4
- APPLICATIONS:** Immunohistochemistry ( frozen or paraffin sections): 1-5 µg/mL  
Western blot  
Immunofluorescence  
Optimal working dilutions must be determined by end user.
- FORMAT:** Purified immunoglobulin.
- PRESENTATION:** Liquid in 0.02M Phosphate buffer, 0.25M NaCl, pH 7.6 with 0.1% sodium azide.
- STORAGE/HANDLING:** Maintain material at 2-8°C in undiluted aliquots for up to 6 months.
- REFERENCES:**
- 1) *Exp. Cell Res.* (1986) **162**:114.
  - 2) *J. Invest. Dermatology* (1987) **88**:191.
  - 3) Abstract: European Symposium of the Biology of the Cytoskeleton, Helsinki, 18-21, 6, 89, (1989).
  - 4) Clover, J., et al., *Histopathology* (1997) **31**:140-143.

**Important Note:** *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

**APPLICATION NOTES FOR MAB1620**

*For research use only; not for use as a diagnostic.*

**Paraffin Embedded Sections:** Formalin-fixed paraffin embedded sections are dewaxed. Before adding the antibody the section should be treated with pronase at 37°C.

**Frozen Sections:** Ideal frozen sections (4-5 µm) are obtained from shock frozen tissue samples. The frozen sections are air-dried and then fixed with acetone for 10 minutes at -20°C. Excess acetone is allowed to evaporate.

- 1) If necessary, block unspecific binding sites by overlaying the sections with 20 µL fetal calf serum for 30 minutes at 37°C in a humid chamber.
- 2) Cover the preparation according to the size of the section with a suitable volume of properly diluted MAB1620 and incubate for one hour at room temperature in a humid chamber.
- 3) Immerse the slides briefly in PBS and wash three times for three minutes each in PBS.
- 4) Wipe slides dry except area of section. Cover the section with 10-20 µL of a solution of anti-Mouse IgG-FITC or anti-Mouse IgG-enzyme and incubate for one hour at room temperature or at 37°C in a humid chamber .
- 5) Wash the slide three times for three minutes each in PBS.

The section should not be allowed to dry out during the steps. If using an enzyme conjugate, the preparation is covered with a substrate solution and incubated at room temperature until a clearly visible color develops.

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