

Datasheet



Mouse mAb to **Keratin 17**
Clone **E3**
Isotype **IgG2b-κ**

Source

A BALB/c mouse was immunized with an intermediate filament preparation of rat colon mucosa.

Specifications

E3 reacts with keratin 17 (45 kDa). The antibody reveals myoepithelial cells, basal cells and proliferating epithelia in some benign epithelial tumors as well as malignant carcinomas.

Species reactivity

Positive: cat, cow, dog, goat, human, pig, rabbit, rat.

Applications

Keratin 17 antibodies serve in various antibody panels used for the differential diagnosis of a number of malignancies (breast cancer, lung cancer, ampullary cancer, intestinal vs. pancreatobiliary cancer).

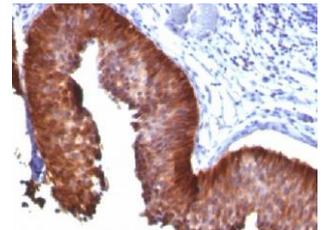


Figure 1: Bladder carcinoma stained with E3 (paraffin)

| Flow cytometry | Frozen sections | Immunofluorescence | Paraffin sections | Western blot |
|----------------|-----------------|--------------------|-------------------|--------------|
| + | + | + | Citrate | + |

Format

Produced in tissue culture, contains no host Ig. Antibodies are affinity purified and presented in PBS with 0,02 % sodium azide.

Stored at 4°C- 8°C, shelf life is at least 24 months after purchase.

Dilution advice

- Flow Cytometry (0.5-1.0 µg/million cells in 0.1 ml, fix cells in 4% PFA for 10 min, at 4°C, permeabilize with 0,2% saponin or digitonin for 15 min, at 4°C).
- Immunoblotting (1 µg/ml for 2h at RT).
- Immunofluorescence (0.5-1,0 µg/ml)/
- Immunohistology (formalin-fixed: 1-2 µg/ml for 30 min at RT; requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes).

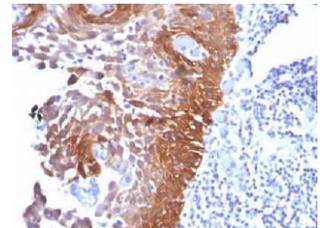


Figure 2: Cervical carcinoma stained with E3 (paraffin)

Positive control

T24 cells or skin. Bladder or cervix.

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References

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- Smedts, F., et. al. *Am. J. Pathol.* **141(2)**: 497-511 (1992).
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- Wetzels, RH, et. al. *Histopathol.* **20**: 295-303 (1992).
- Troianovskiĭ, SM, *Bull. Eksp. Biol. Med.* **101(6)**: (1986).