

# 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

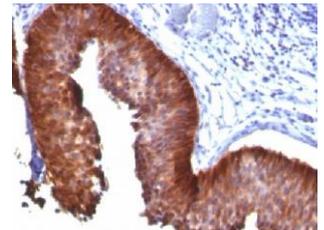
E3 reacts with keratin 17 (45 kDa). The antibody reveals myoepithelial cells, basal cells and proliferating epithelia in some benign epithelial tumors as well as malignant carcinomas.

## 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	+

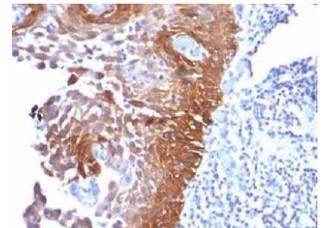
## Format

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

- Balm A.J.M., *Eur. Arch. Otorhinolaryngol.* **253**: 227-233 (1996).
- Kozaki, M et al. *J. Vet. Med. Sci.* **63(1)**: 1-4 (2001).
- Smedts, F., et. al. *Am. J. Pathol.* **141(2)**: 497-511 (1992).
- Smedts, F., et. al. *Am. J. Pathol.* **140(3)**: 601-612 (1992).
- Wetzels, RH, et. al. *Histopathol.* **20**: 295-303 (1992).
- Troianovskiĭ, SM, *Bull. Eksp. Biol. Med.* **101(6)**: (1986).