

Datasheet



Mouse mAb to **Keratin 8**
Clone **TS1**
Isotype **IgG1-κ**

Source

A BALB/c mouse was immunized with a cytokeratin 8 preparation of human gastrointestinal tumors.
Fusion partner: X63.Ag8-P653.

Specifications

TS1 reacts in humans only with cytokeratin 8 (52.5 kDa). The epitope is situated between amino acids 343-357 (ELAIKDANAKLSELE), within the among type II cytokeratins highly variable 2B α -helix. TS1 was typed in the ISOBM TD-5 workshop.

Species reactivity

Positive: human.
Negative: ferret.

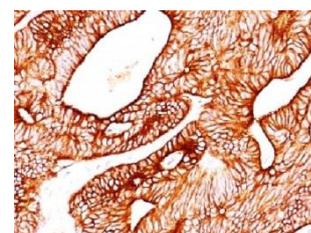


Figure 1: Colon carcinoma stained with TS1 (paraffin)

Applications

Demonstration of keratin 8 in immunohistochemistry, immunofluorescence tests and immunoblotting.

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 (1-2 μ g/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 (1-2 μ g/ml).
- Immunofluorescence (1-2 μ g/ml).
- Immunohistology (formalin-fixed: 2-4 μ g/ml for 30 min at RT; staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes).

Positive control

MCF-7 or A431 cells, simple epithelia, human bronchus, skin, colon, lung or breast carcinoma.

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References

- Sundström, BE., et al. *J. Histochem. Cytochem.*, **37**: 1845-1854 (1989).
- Johansson, A., et al. *Cancer Research*, **59**: 48-51, (1999).
- Stigbrand, T., et al. *Tumor Biology* **19**: 132-152, (1998).
- Nap M., et al.. *Tumor Biology* **19**: 4-10, (1998).