

Datasheet



Mouse mAb to **MUC1 / EMA /
PEM / CD227**
Clone **EBS-T-236**
Isotype **IgG2b-κ**

Source

A BALB/c mouse was immunized with human milk fat globule membranes.
Fusion partner: Sp2/0.

Specifications

EBS-T-236 reacts with sugar moieties of MUC1, an apical cell side epithelial marker which is upregulated or switched on in the majority of carcinomas. EBS-T-236 is excellent as solid phase antibody for CA15-3 tumor marker tests, e.g. in combination with DF3 or EBS-T-236 itself as tracer antibody.

Species reactivity

Positive: human.

Applications

EBS-T-236 is excellent for immunohistochemistry on paraffin sections, and can be used both as solid phase as well as tracer antibody in MUC1 serum tests. It also works in fluorescence tests and Western blot.

ELISA	Flow cytometry	Frozen sections	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

- ELISA ((solid phase: 0,1-100 µg/ml; tracer: 0,001-100 µg/ml for 30 min at RT).
- Flow cytometry (0.5-1.0 µg/million cells in 0.1 ml).
- Immunoblotting (1-2 µg/ml).
- Immunofluorescence (1-2 µg/ml).
- Immunohistology (formalin-fixed: 1-2ug/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 min).

Positive control

MCF-7 or MDA-231 cells. Breast, colon, ovarian, endometrial carcinoma.

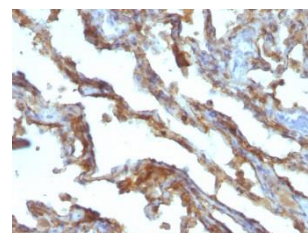


Figure 1: Human lung stained with EBS-T-236 (paraffin)

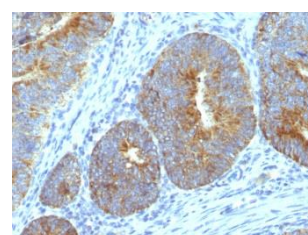


Figure 2: Human colon stained with EBS-T-236 (paraffin)

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References

- Tsubura, A. et al. *Virchows Arch A Pathol Anat Histopathol.* **407(1)**: 59-67 (1985).
- Hilkens, J. et al. *Cancer Res.* **46(5)**: 2582-2587 (1986).
- Hilkens et al. *Int J Cancer* **34(2)**, 197-206 (1984).
- Zotter et al. *Virchows Arch A Pathol Anat Histopathol* **406(2)**, 237-51 (1985).
- ISOBM TD-4 Workshop report, *Tumor Biol.* **19(Suppl 1)** (1998).