

Datasheet



Mouse mAb to **MUC1 / EMA /
PEM / CD227**
Clone **EBS-T-234**
Isotype **IgG1-κ**

Source

A BALB/c mouse was immunized with human milk fat globule membranes (HMFG).
Fusion partner: NS-1.

Specifications

EBS-T-234 reacts with the protein core of MUC1, an apical cell side epithelial marker which is upregulated or switched on in the majority of carcinomas. The dominant epitope of EBS-T-234 is PDTR, located in the VNTR domain of MUC1. Binding of EBS-T-234 to MUC1 is independent from the degree of glycosylation.

Species reactivity

Positive: human.

Applications

EBS-T-234 can be used for immunohistochemistry, ELISA and fluorescence tests.

ELISA	Flow cytometry	Frozen sections	Immunofluorescence	Paraffin sections
+	+	+	+	Citrate

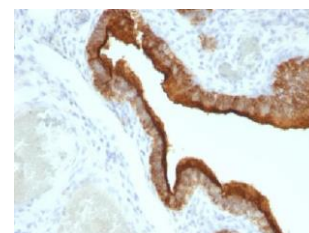


Figure 1: Ovarian cancer stained with EBS-T-234 (paraffin)

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).
- Immunofluorescence (1-2 µg/ml).
- Immunohistology (formalin-fixed: 1-2 µg/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 min).

Positive control

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

References

- Xing, X.P. et al. *Mol Immunol.* **29(5)**: 641-650 (1992).
- ISOBM TD-4 Workshop report, *Tumor Biol.* **19(Suppl 1)** (1998).
- Karsten, U. et al. *Cancer. Res.* **58(12)**: 2541-2549 (1998).