

# Datasheet



Mouse mAb to **MUC1 / EMA /  
PEM / CD227**  
Clone **EBS-T-237**  
Isotype **IgG1-κ**

## Source

A BALB/c mouse was immunized with deglycosylated purified MUC1 glycoprotein.  
Fusion partner: SP2/0.

## Specifications

EBS-T-237 reacts with the protein core of MUC1, an apical cell side epithelial marker which is upregulated or switched on in the majority of carcinomas.

## Species reactivity

Positive: human, mouse.

## Applications

EBS-T-237 is excellent for immunohistochemistry on paraffin sections. In addition it is suitable as solid phase as well as tracer antibody in MUC1 ELISAs. Also works in fluorescence tests.

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

## Format

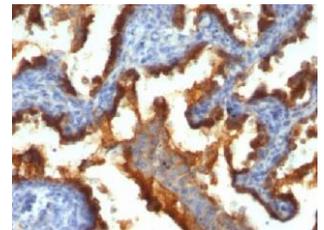
Produced in tissue culture, contains no host Ig. Antibodies are affinity purified and presented in PBS with 0,02 % sodium azide.  
Stored at 4°C- 8°C, shelf life is at least 24 months after purchase.

## 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).
- Immunofluorescence (1-2 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 min).

## Positive control

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



**Figure 1:** Lung adenocarcinoma stained with EBS-T-237 (paraffin)



**Figure 2:** Endometrial carcinoma stained with EBS-T-237 (paraffin)

# Datasheet



## References

- Hilkens, J. et al. *Int. J. Cancer*. **34**: 197-206 (1984).
- Tsubura, A. et al. *Arch. Dermatol. Res*. **279(8)**: 550-557 (1987).
- Hilkens, J. et al. *Cancer Res*. **49(4)**: 786-7993 (1989).