

Datasheet



Mouse mAb to **MUC1 / EMA /
PEM / CD227**
Clone **VU-13F11**
Isotype **IgM-κ**

Source

A BALB/c mouse was immunized with 60-mer MUC1 VNTR synthetic peptide conjugated to BSA.
Fusion partner: Sp2/0.

Specifications

VU-13F11 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 VU-13F11 has not yet been determined but is located in the VNTR domain of MUC1 (confirmed by ELISA). VU-13F11 was not included in the ISOBM TD-4 workshop.

Species reactivity

Positive: human.

Applications

VU-13F11 is excellent for cryostat sections. It works also in ELISA and fluorescence tests.

ELISA	Flow cytometry	Immunofluorescence	Frozen sections	Paraffin sections	Western blot
+	+	+	+	-	+

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 (1-2µg/ml)
- Immunofluorescence (1-2 µg/ml).
- Immunohistology (1-2 µg/ml for 30 min at RT; an appropriate antigen retrieval method for staining of formalin-fixed tissues has not been established to date).

Positive control

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

References

- Schol D. et al, *Tumor Biol.* **19(Suppl 1)**: 35-45 (1998).

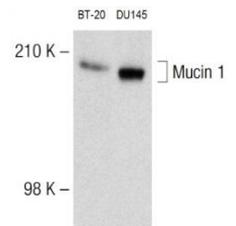


Figure 1: BT-20 and DU 145 cell lysates stained with VU-13F11 (Western blot)