

Datasheet



Mouse mAb to **MUC3**
Clone **EBS-T-232**
Isotype **IgG2a-κ**

Source

A BALB/c mouse was immunized with synthetic human MUC3 (SIB-35) peptide.
Fusion partner: NS-1.

Specifications

EBS-T-232 reacts with SITTTE in the VNTR domain of human MUC3. The mucins are a family of highly glycosylated, secreted proteins with a basic structure consisting of a variable number of tandem repeats (VNTRs) encoded by 60 base pairs (MUC1), 69 base pairs (MUC2) and 51 base pairs (MUC3). Cancer cells of colon, breast and stomach, normal cells of salivary gland, breast, lung, and gastrointestinal tract are positive for MUC3.

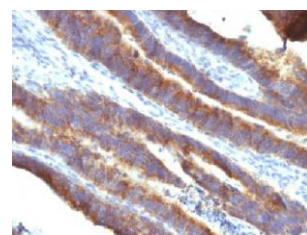


Figure 1: Colon carcinoma stained with EBS-T-232 (paraffin)

Species reactivity

Positive; human.

Applications

Immunocytochemistry on frozen and paraffin sections. Immunofluorescence tests.

Flow cytometry	Frozen sections	Immunofluorescence	Paraffin sections
+	+	+	Tris/EDTA

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°- 8° C, shelf life is at least 24 months after purchase.

Dilution advice

- 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 Tris with 1mM EDTA, pH 9.0, for 10-20 followed by cooling at RT for 20 min).

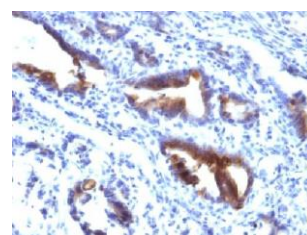


Figure 2: Gastric carcinoma stained with EBS-T-232 (paraffin)

Positive control

LS174T cells or colon carcinoma and normal colon tissue.

References

- Apostolopoulos, V. et al. J. Gastroenterol. Hepatol, 10 (5): 555-561 (1995).