

# Datasheet



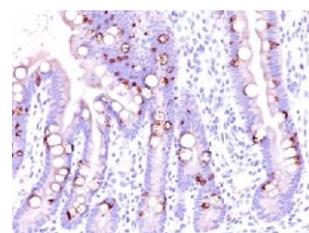
Mouse mAb to **MUC2**  
Clone **EBS-T-233**  
Isotype **IgG1-κ**

## Source

A BALB/c mouse was immunized with synthetic human MUC2 peptide (VNTR region).  
Fusion partner: NS-1

## Specifications

EBS-T-233 reacts with GTQTP in the VNTR domain of human MUC2 (520 kDa). MUC2 is specifically expressed in goblet cells of the small intestine and colon and about 65% of colonic carcinomas and about 40% of gastric carcinomas are positive. MUC2 is rarely expressed outside of the GI tract with the exceptions of mucinous carcinoma of breast and clear cell-type carcinomas of the ovary.



**Figure 1:** Human intestine stained with EBS-T-233 (paraffin)

## Species reactivity

Positive: human.

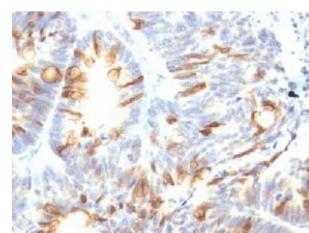
## Applications

Immunocytochemistry on frozen and paraffin sections. Immunofluorescence tests and Western blot.

Flow cytometry	Frozen sections	Immunofluorescence	Paraffin sections	Western blot
+	+	+	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°C- 8°C, shelf life is at least 24 months after purchase.



**Figure 2:** Colon carcinoma stained with EBS-T-233 (paraffin)

## Dilution advice

- Flow Cytometry (0,5-1,0 µg/million cells in 0,1ml).
- Immunoblotting (1-2 µg/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 10-20min. followed by cooling at RT for 20 min).

## Positive control

LS174T cells (flow cytometry, Western blot), small intestine.

## References

- Xing, P.X. et al. J. Natl. Cancer Inst. 84, 699-703 (1992).