

Datasheet



Mouse mAb to **CD 176**
TF-antigen
cluster/asialo
glycophorin
Clone **EBS-O-165**
Isotype **IgM-κ**

Source

A BALB/c mouse was immunized with neuraminidase-treated human red blood cells.
Fusion partner: NS-0.

Specifications

EB-O-165 recognizes the carbohydrate epitope Thomsen-Friedenreich and especially clustered TF (asialo-glycophorin; GalNac-βGALcluster). It does not react with either bovine glycophorin or K562 cells, even after neuraminidase treatment. It has also no cross-reactivity with sialylated glycophorin.

Species reactivity

Positive: human.
Negative: cow.

Applications

EB-O-165 can be applied for the detection of cells with clustered TF- antigens and is especially applicable for sensitive determination of neuraminidases. It reacts with the N-terminal T1/2 fragment. EB-O-165 can be used on frozen and paraffin-fixed tissue sections and is capable to agglutinate desialylated red blood cells.

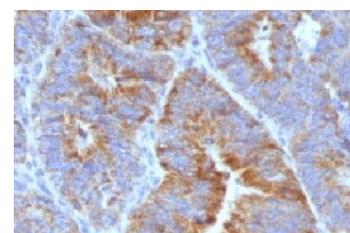


Figure 1: Human colon cancer stained for TF antigen (paraffin).

Flow cytometry	Frozen sections	Immunofluorescence	Paraffin sections
+	+	+	+

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

- Flow cytometry (0,5-1,0 µg/million cells in 0,1 ml).
- Immunofluorescence (0,5-1,0 µg/ml).
- Immunohistology (1-2 µg/ml for 30-60 minutes at RT).

Positive control

Desialylated red cells.

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References

- Karsten U et al. *Hybridoma* **14(1)**: 37-44 (1995).
- Cao Y. et al, *Histochem Cell Biol* **106**: 197-207 (1996).
- Baldus SE et al. *Cancer* **82(6)**: 1019-27 (1998).
- Ryder SD et al, *Gastroenterology* **114(1)**: 44-9 (1998).
- Kanitakis J et al. *J Clin Pathol* **51(8)**: 588-92 (1998).