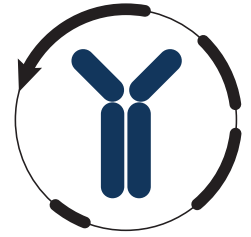


Datasheet



Mouse mAb to **H type 2**
Clone **19-OLE**
Isotype **IgM-κ**

Source

A BALB/c mouse was immunized with mucin isolated from a mucinous colonic adenocarcinoma.
Fusion partner: SP2/0.

Specifications

19-OLE reacts with H type 2 antigen, the basis of the ABO blood group system, involving three carbohydrate antigens: A, B, and H. A, B, and AB individuals express a glycosyltransferase activity that converts the H antigen to the A antigen (by addition of UDP-GalNAc) or to the B antigen (by addition of UDP-Gal), whereas O individuals lack such activity. It is expressed on endothelial cells, epithelial cells and granulocytes. Increased expression of this antigen has been observed on some tumor tissues such as gastric carcinomas, urothelial carcinomas, and colon carcinomas.

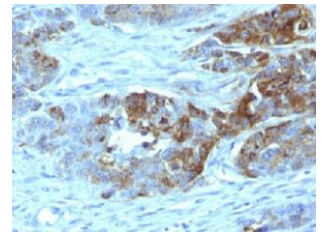


Figure 1: Colon carcinoma stained with 19OLE (paraffin)

Species reactivity

Positive: human.

Applications

Immunocytochemistry on frozen and paraffin sections. Immunofluorescence tests.

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.

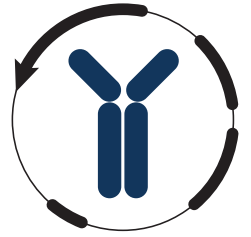
Dilution advice

- Flow Cytometry (0.5-1.0 µg/million cells in 0.1ml).
- Immunofluorescence (0.5-1 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

KG1 cells or human colorectal carcinoma.

Datasheet



References

- Blood transfusion and immuno-haematology, Ph Rouger, D Anstee and Ch Salmon (Eds), Arnette, France 30 (5), p. 353-720, (1987).
- Bara, J. et al. Blood transfusion and immuno-haematology, Ph Rouger, D Anstee and Ch Salmon (Eds), Arnette, France 30 (5), p. 685-692, (1987).
- Marionneau, S. et al. *Gasteroenterology*, **122**: 1967-1877 (2002).
- Garcher, K. et al. *Invest Ophthalmol Vis Sci*. **35**: 1184-1191 (1994).