

# Datasheet



Mouse mAb to **Lewis a**  
Clone **7LE**  
Isotype **IgG1-κ**

## Source

A BALB/c mouse was immunized with ovarian cyst mucin.  
Fusion partner: SP-2/0.

## Specifications

7LE reacts with Lewis a blood group antigen, a carbohydrate determinant present on both glycolipids and glycoproteins, expressed a.o. in colonic and kidney epithelial cells. Lewis a may be useful for detection of gastrointestinal, pancreatic and colorectal carcinomas.

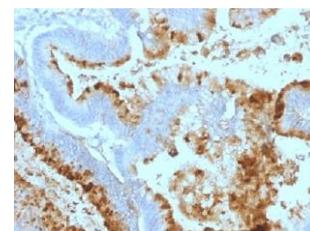
## Species reactivity

Positive: human, mouse.

## Applications

Demonstration of Lewis a blood group in IHC, ELISA, flow cytometry, immunofluorescence and Western blot.

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



**Figure 1:** Human colon cancer stained with 7LE (paraffin)

## 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: not known; 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 (1-2 µg/ml).
- Immunofluorescence (0,5-1,0 µg/ml).
- Immunohistology (1-2 µg/ml for 30 min at RT; staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6,0, for 10-20 min followed by cooling at RT for 20 minutes).

## Positive control

Human colon.

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## References

- Rouger Ph. et al. (Eds., Arnette): Proceedings of the First International Workshop on monoclonal antibodies against human red blood cells and related antigens (Paris 1987) in: *Rev Fr Transfus Immunohematol.* **30(5)**:353-717 (1987).
- Creuzot-Garcher et al. *Invest Oph(thalmol Vis Sci.* **40(8)**:1631-6 (1999).
- Torrado et al. *Cancer Epidemiol Biomarkers Prev.* **1(3)**: 199-205 (1992).
- Torrado et al. *Gastroenterology*, **102 (2)**: 424-430 (1992).