

Datasheet



Mouse mAb to **CD173 (Human Blood Group H type 5,6)**
Clone **HE-182**
Isotype **IgM-κ**

Source

A B10.A mouse was immunized with human erythrocytes.
Fusion partner: Sp2/0.

Specifications

HE-182 reacts with human blood group H type 5 and type 6 as confirmed with Chembiomed synthetic oligosaccharide-BSA conjugate in ELISA. 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.

Species reactivity

Positive: human.

Applications

Demonstration of blood group H, type 5 and 6. Classification of carcinomas.

ELISA	Flow cytometry	Frozen sections	Immunofluorescence	Paraffin sections
+	+	+	+	+

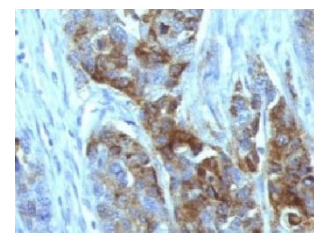


Figure 1: Human colon cancer stained for blood group H (paraffin).

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).
- Immunofluorescence (0,5-1,0 µg/ml).
- Immunohistology (1-2 µg/ml for 30 min at RT; staining of formalin-fixed tissues is better after boiling tissue sections in 10mM citrate buffer, pH 6,0, for 10-20 min followed by cooling at RT for 20 minutes).

Positive control

Colon cancer.

References

- Blood transfusion and immunohaematology, Ph Rouger, D Anstee and Ch Salmon (Eds), Arnette, France 30 (5), p. 353-720, 1987.