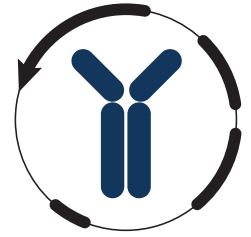


Datasheet



Mouse mAb to **Blood Group A (CD173) Forssman**
Clone **HE-193**
Isotype **IgM-κ**

Source

A BALB/c mouse was immunized with a mixture of erythrocytes of blood group A1 and a glycoprotein fraction isolated from the saliva of secretors with blood group A of human origin.
Fusion partner: P3-X63-Ag8.653.

Specifications

HE-193 recognizes human blood group A (monofucosyl and difucosyl A antigens with chain types 1, 2, 3, 4, 5, 6,) and Forssmann antigen, which is normally not found in humans, but can appear on malignancies. De novo or increased expression of these antigens have been observed on some tumor tissues such as gastric carcinomas, urothelial carcinomas, and colon carcinomas. HE-193 does not react with normal tissue sections of donors with blood group B and O but it reacts specifically with malignant tissues in these individuals.

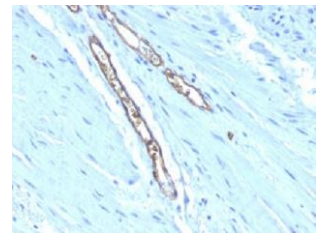


Figure 1: Colon carcinoma stained with HE-193 (paraffin)

Species reactivity

Positive: human.

Applications

HE-193 is applicable for red cell agglutination, tissue staining and immunofluorescence tests.

Agglutination	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

- Agglutination
- Flow Cytometry (0,5-1 µg/million cells in 0,1 ml).
- 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

- Němec M. et al. *Vox Sang* **52**:125-8 (1987).