

Datasheet



Mouse mAb to **Blood Group B (CD173)**
Clone **HEB-29**
Isotype **IgM-κ**

Source

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

Specifications

HEB-29 shows specific staining of erythrocytes and vascular epithelium of blood group B and AB controls and no staining in group A or O controls. However, tumors in A or O individuals may carry B antigen and stain with HEB-29.

Species reactivity

Positive: human.

Applications

HEB-29 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 (0,5-1,0 µg/million cells in 0,1 ml).
- Immunofluorescence (0,5-1,0 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 minutes).

Positive control

KG1 cells or human colorectal carcinoma.

References

- Němec M. et al. *Vox Sang* **52**:125-8 (1987).
- Vanák J. et al. *Neoplasma* **36(4)**: 479-487 (1989).

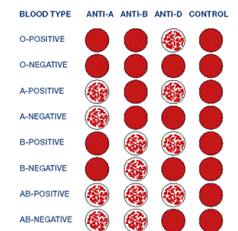


Figure 1: Blood chart used for interpreting red cell agglutination