



Interbiotech - BioScience Innovations

AZC940

## Monoclonal Antibody to Blood Group ABH

**Cat# :** AZC940, 1ml hybridoma culture supernatant

- Clone:** HE-10
- Isotype:** Mouse IgM
- Specificity:** The antibody HE-10 agglutinates erythrocytes of group A but does not agglutinate erythrocytes of group B and O. Study with specific oligosaccharides showed that the antibody HE-10 reacts with A and H antigens with chain types 3 and 4 and it does not react with A disaccharide, A trisaccharide, A type 1, A type 2, ALe<sup>b</sup>. The antibody HE-10 does not react with normal tissue sections of donors with blood group B and O but it reacts specifically with malignant tissues.
- Immunogen:** Mixture of erythrocytes of group A1 and glycoprotein fraction isolated from saliva of secretors with blood group A.
- Species Reactivity:** Human
- Application:**
- Immunohistochemistry (paraffin sections)
- The antibody HE-10 is excellent as a tumour marker in patients of blood group B and O.
- Preparation:** The hybridoma culture supernatant is 4 x concentrated by ultrafiltration using 100 kDa-cut off membrane.
- Storage / Stability:** Store at 2-8°C. Do not use after expiration date stamped on vial label. Do not freeze.
- References:**
- \*Nemec M, Drimalova D, Horejsi V, Vanak J, Bartek J, Viklicky V: Murine monoclonal antibodies to human A erythrocytes: differential reactivity with N-acetyl-D-galactosamine. Vox Sang. 1987;52(1-2):125-8.
  - \*Vanak J, Drimalova D, Smyslova O, Nemec M, Viklicky V, Wisniewski K: Detection of blood group A antigen expression in human colon cancer using monoclonal antibodies with different specificities. Neoplasma. 1989;36(4):479-88.

*For in vitro research use only*