

Datasheet for ABIN93921

anti-Blood Group ABH antibody[2 Images](#)[2 Publications](#)[Go to Product page](#)

Overview

Quantity:	1 mL
Target:	Blood Group ABH
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Blood Group ABH antibody is un-conjugated
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Mixture of erythrocytes of group A1 and glycoprotein fraction isolated from saliva of secretors with blood group A.
Clone:	HE-10
Isotype:	IgM
Specificity:	The mouse monoclonal antibody HE-10 agglutinates erythrocytes of group A, and is excellent as a tumour marker in patients of blood group B and O. It 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 ^b . 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.
Cross-Reactivity (Details):	Human
Purification:	Hybridoma culture supernatant concentrated by membrane ultrafiltration.

Product Details

Endotoxin Level: Low Endotoxin

Target Details

Target: Blood Group ABH

Abstract: [Blood Group ABH Products](#)

Application Details

Application Notes: Immunohistochemistry (paraffin sections): The antibody HE-10 is excellent as a tumour marker in patients of blood group B and O.
Flow cytometry: Recommended dilution: 1-3 : 100.

Comment: The hybridoma culture supernatant is 4 x concentrated by ultrafiltration using 100 kDa-cut off membrane.

Restrictions: For Research Use only

Handling

Format: Liquid

Handling Advice: **Do not freeze.**
Avoid prolonged exposure to light.

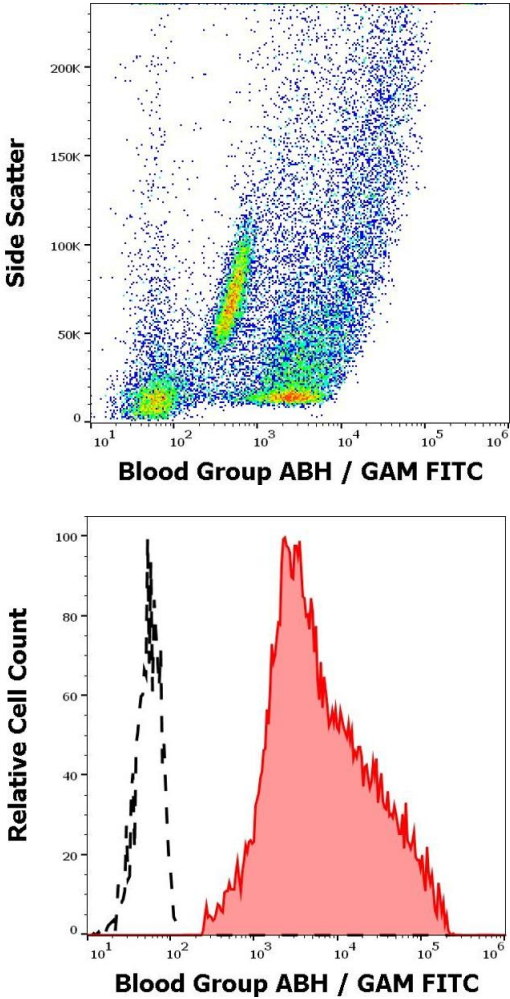
Storage: 4 °C

Storage Comment: Store at 2-8°C. Do not freeze.

Publications

Product cited in: Vanák, Drímalová, Smyslová, N?mec, Viklický, Wisniewski: "Detection of blood group A antigen expression in human colon cancer using monoclonal antibodies with different specificities." in: **Neoplasma**, Vol. 36, Issue 4, pp. 479-88, (1989) ([PubMed](#)).

N?mec, Drímalová, Horejsí, Vanák, Bártek, Viklický: "Murine monoclonal antibodies to human A erythrocytes: differential reactivity with N-acetyl-D-galactosamine." in: **Vox sanguinis**, Vol. 52, Issue 1-2, pp. 125-8, (1987) ([PubMed](#)).



Flow Cytometry

Image 1. Flow cytometry surface staining pattern of human peripheral whole blood from group A donor stained using anti-blood group ABH (HE-10) antibody (culture supernatant, GAM FITC).

Flow Cytometry

Image 2. Separation of human erythrocytes from blood group A donor (red-filled) from erythrocytes from blood group O donor (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood samples using anti-blood group ABH (HE-10) antibody (culture supernatant, GAM FITC).