

Blood Group Antigen B (CD173) Antibody - With BSA and Azide

Mouse Monoclonal Antibody [Clone HEB-20]
Catalog # AH11357

Product Information

Application	IHC, IF
Primary Accession	P16442
Other Accession	28, 654423
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse / IgM, kappa
Clone Names	HEB-20
Calculated MW	Multiple

Additional Information

Other Names	Histo-blood group ABO system transferase, Fucosylglycoprotein 3-alpha-galactosyltransferase, Fucosylglycoprotein alpha-N-acetylgalactosaminyltransferase, Glycoprotein-fucosylgalactoside alpha-N-acetylgalactosaminyltransferase, 2.4.1.40, Glycoprotein-fucosylgalactoside alpha-galactosyltransferase, 2.4.1.37, Histo-blood group A transferase, A transferase, Histo-blood group B transferase, B transferase, NAGAT, Fucosylglycoprotein alpha-N-acetylgalactosaminyltransferase soluble form, ABO
Application Note	IHC~~1:100~500 IF~~1:50~200
Storage	Store at 2 to 8°C.Antibody is stable for 24 months.
Precautions	Blood Group Antigen B (CD173) Antibody - With BSA and Azide is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Background

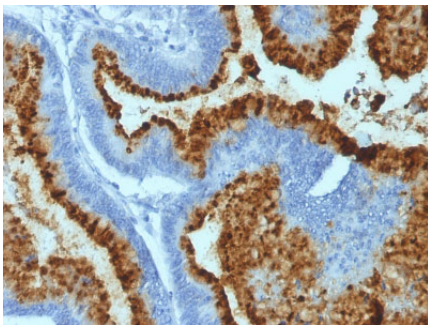
The antibody HEB-20 reacts with human blood group B. The specificity of the antibody HEB-20 was confirmed by comparison of specificity and reactivity to standard reagent using >5.000 samples of blood. The MAb HEB-20 shows specific staining of erythrocytes and vascular epithelium of blood group B controls and no staining in group A controls. This MAb is applicable for tissue staining in tumor patients with blood groups B and AB. Blood group antigens are generally defined as molecules formed by sequential addition of saccharides to the carbohydrate side chains of lipids and proteins detected on erythrocytes and certain

epithelial cells. The A, B and H antigens are reported to undergo modulation during malignant cellular transformation. Blood group related antigens represent a group of carbohydrate determinants carried on both glycolipids and glycoproteins. They are usually mucin type, and are detected on erythrocytes, certain epithelial cells, and in secretions of certain individuals. Sixteen genetically and biosynthetically distinct but inter related specificities belong to this group of antigens, including A, B, H, Lewis A, Lewis B, Lewis X, Lewis Y, and precursor type 1 chain antigens.

References

Van Āk J, Dr Āmalov ĀD, Smyslov ĀO, N Āmec M, Viklick ĀV, 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

Images



Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with Blood Group B Monoclonal Antibody (HEB-20).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.