Anti-Blood Group Antigen A Antibody (CD173) (HE-193)

CATALOG NO: A1442-100

ALTERNATIVE NAMES: A transferase, ABO, B transferase, CD173, Fucosylglycoprotein 3-alpha-galactosyltransferase, Fucosylglycoprotein alpha-N-acetylgalactosaminyltransferase, Glycoprotein-fucosylgalactoside alpha-galactosyltransferase, Glycoprotein-fucosylgalactoside alpha-N-acetylgalactosaminyltransferase, Histo-blood group A transferase, Histo-blood group B transferase, NAGAT

AMOUNT: 100 µg

IMMUNOGEN: Mixture of erythrocytes of blood group A and glycoprotein fraction isolated from the saliva of secretors with blood group A

HOST/ISOTYPE: Mouse IgM, kappa

CLONALITY: Monoclonal

CLONE: HE-193

MOL WEIGHT: Multiple

SPECIES REACTIVITY: Human

PURIFICATION: Protein A/G purified

FORM: Liquid

FORMULATION: Supplied in 10 mM PBS with 0.05% BSA & 0.05% azide

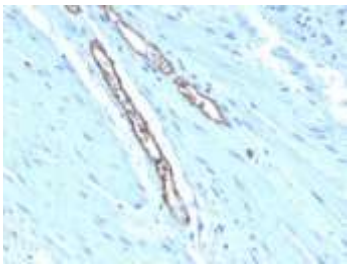
STORAGE CONDITIONS: Shipped at 4°C. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles

DESCRIPTION: This antibody recognizes human blood group A (monofucosyl and difucosyl A antigens with chain types 1, 2, 3, 4, 5, 6) and Forssmann antigen. 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.

APPLICATION: Agglutination

IF: 0.5-1 ug/ml
IHC: 0.5-1 ug/ml for 30 minutes at RT
(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.



Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with Blood Group Antigen A Monoclonal Antibody (HE-193)

RELATED PRODUCTS:

- Anti-Bcl-2 Antibody (100/D5 + 124) **(Cat. No. A1435)**
- Anti-Bcl-6 Antibody (BCL6/1475) **(Cat. No. A1436)**
- Anti-Bcl-6 Antibody (BCL6/1527) **(Cat. No. A1437)**
- Anti-Bax Antibody (BAX/962) **(Cat. No. A1434)**
- Anti-Adipophilin Antibody (ADFP/1494) **(Cat. No. A1422)**
- Anti-AFP Antibody (C3) **(Cat. No. A1423)**
- Anti-ALDH1A1 Antibody (ALDH1A1/1381) **(Cat. No. A1424)**
- Anti-ALK Antibody (ALK/1503) **(Cat. No. A1425)**
- Anti-Alkaline Phosphatase Antibody (ALPL/597) **(Cat. No. A1426)**
- Anti-Alpha-1-Antitrypsin Antibody (AAT/1378) **(Cat. No. A1427)**

FOR RESEARCH USE ONLY! Not to be used on humans.