

### 36-2404: Anti-Blood Group Antigen A (CD173) Monoclonal Antibody(Clone: HE-193)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	HE-193
<b>Application :</b>	IF,IHC
<b>Reactivity :</b>	Human
<b>Gene :</b>	ABO
<b>Gene ID :</b>	28
<b>Uniprot ID :</b>	P16442
<b>Alternative Name :</b>	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
<b>Isotype :</b>	Mouse IgM, kappa
<b>Immunogen Information :</b>	Mixture of erythrocytes of blood group A and glyco protein fraction isolated from the saliva of secretors with blood group A

#### 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.

#### Product Info

<b>Amount :</b>	20 µg / 100 µg
<b>Content :</b>	200 µg/ml of Ab Purified from Bioreactor Concentrate. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
<b>Storage condition :</b>	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

#### Application Note

Agglutination; Immunofluorescence (2-4ug/ml); Immunohistology (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)

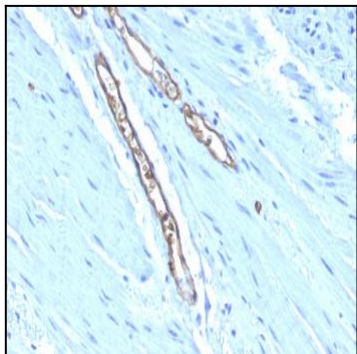


Fig. 1: Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with Blood Group Antigen A Monoclonal Antibody (HE-193)