

**Mouse Anti-Blood Group Antigen H Type 2 (CD173) [19-OLE]: MC0007**

**Intended Use:** For Research Use Only

**Description:** Recognizes the blood group H type 2 antigens, trisaccharide Fuc1-2Gal1-4GlcNAc1 of human origin. This protein is the basis of the ABO blood group system. The histo-blood group ABO involves three carbohydrate antigens: A, B, and H. A, B, and AB individuals express a glycosyltransferase activity that converts the H antigen to the A antigen (by addition of UDP-GalNAc) or to the B antigen (by addition of UDP-Gal), whereas O individuals lack such activity. It is expressed on endothelial cells, epithelial cells and granulocytes. Increased expression of this antigen has been observed on some tumor tissues such as gastric carcinomas, urothelial carcinomas, and colon carcinomas.

**Specifications:**

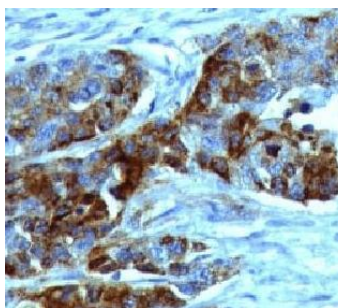
Clone: 19-OLE  
 Source: Mouse  
 Isotype: IgM/k  
 Reactivity: Human  
 Immunogen: Mucinous colonic adenocarcinoma  
 Localization: Membrane, cytoplasm  
 Formulation: Purified antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)  
 Storage: Store at 2°- 8°C  
 Applications: IHC, ICC/IF  
 Package:

Description	Catalog No.	Size
Blood Group Antigen H Type 2 (CD173) Concentrated	MC0007	1 ml

**IHC Procedure\*:**

Positive Control Tissue: Colorectal carcinoma, KG1 cells  
 Concentrated Dilution: 50-200  
 Pretreatment: Tris EDTA pH9.0, 15 minutes Pressure Cooker or 30-60 minutes water bath at 95°-99°C  
 Incubation Time and Temp: 30-60 minutes @ RT  
 Detection: Refer to the detection system manual

\* Result should be confirmed by an established diagnostic procedure.



FFPE human colon carcinoma stained with anti-Blood Group Antigen H Type 2 using DAB

**References**

1. Expression of Mucin Peptide and Blood Group ABH- and Lewis-Related Carbohydrate Antigens in Normal Human Conjunctiva. Catherine Garcher, et al. Invest Ophthalmol Vis Sci. 1994;35:1184-1191, 1994.