

**Mouse Anti-Blood Group Antigen Lewis A [7LE]: MC0069**

**Intended Use:** For Research Use Only

**Description:** Recognizes a carbohydrate determinant of Gal 1-3(Fuc 1-4) GlcNAc which is blood group antigen Lewis A. It is present primarily on epithelial cells such as colon and kidneys. In the tumors and dedifferentiated tissues, decrease of Lewis A antigen was observed. Lewis A (type 1 chain) is expressed in colonic epithelial cells and may be useful for detection of gastrointestinal tumors, pancreatic cancer, and colorectal tumors. 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.

**Specifications**

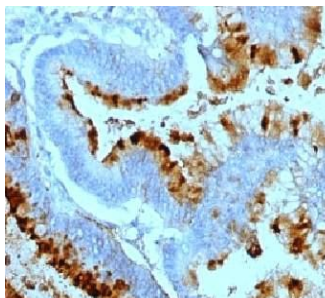
Clone: 7LE  
 Source: Mouse  
 Isotype: IgG1k  
 Reactivity: Human, mouse  
 Immunogen: Mucins isolated from ovarian cyst fluid  
 Localization: Membrane, cytoplasm, extracellular  
 Formulation: Purified antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)  
 Storage: Store at 2°- 8°C  
 Applications: IHC, Flow Cyt., ICC/IF  
 Package:

Description	Catalog No.	Size
Blood Group Antigen Lewis A Concentrated	MC0069	1 ml

**IHC Procedure\***

Positive Control Tissue: Colon  
 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 Lewis A using DAB

**References**

1. Expression of the tumor markers sialyl Lewis A, sialyl Lewis X, Lewis Y, Thomsen-Friedenreich antigen, galectin-1 and galectin-3 in human osteoblasts in vitro. Tübel J, et al. Anticancer Res. May;32(5):2159-64, 2012.
2. Expression of the blood-group-related antigens Sialyl Lewis a, Sialyl Lewis x and Lewis y in term placentas of normal, preeclampsia, IUGR- and HELLP-complicated pregnancies. Minas V, et al. Histochem Cell Biol. Jul;128(1):55-63, 2007.
3. The aberrant expression of Lewis a antigen in intestinal metaplastic cells of gastric mucosa is caused by augmentation of Lewis enzyme expression. Ikehara Y, et al. Glycoconj J. Aug;15(8):799-807, 1998.