



Interbiotech - BioScience Innovations

AZD500

## Monoclonal Antibody to Blood Group Lewis a

**Cat# :** AZD500, 100µg purified antibody

**Clone:** 7LE

**Isotype:** Mouse IgG1

**Specificity:** The antibody 7LE recognizes Lewis<sup>a</sup> blood group antigen, a carbohydrate determinant carried on both glycolipids and glycoproteins, expressed in colonic epithelial cells. Lewis<sup>a</sup> may be useful for detection of gastrointestinal, pancreatic and colorectal tumors.

**Immunogen:** Mucin isolated by size-exclusion chromatography from an ovarian cyst fluid (pure endocervical type according to the Fenoglio's classification).

**Species Reactivity:** Human, Other not tested

**Application:** **Immunohistochemistry (paraffin sections)**  
*Recommended dilution:* 5 µg/ml  
*Positive control:* colorectal adenocarcinoma  
*Application note:* heat mediated antigen retrieval (sodium citrate); mAb incubation 1 hour / RT; detection DAB  
**Western Blotting ; ELISA**

**Purity:** > 95% (by SDS-PAGE)

**Purification** Purified from hybridoma culture supernatant by protein-A affinity chromatography

**Concentration** 1mg/ml

**Storage buffer** Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4

**Storage / Stability:** Store at 2-8°C. Do not use after expiration date stamped on vial label. For long-term storage aliquot and store at -20°C. Avoid freeze/thaw cycles.

**References:**  
\*Bara J, Gautier R, Le Pendu J, Oriol R: Immunochemical characterization of mucins. Polypeptide (M1) and polysaccharide (A and Leb) antigens. *Biochem J.* 1988 Aug 15;254(1):185-93.  
\*Torrado J, Correa P, Ruiz B, Bernardi P, Zavala D, Bara J: Lewis antigen alterations in gastric cancer precursors. *Gastroenterology.* 1992 Feb;102(2):424-30.  
\*First International Workshop on Monoclonal Antibodies Against Red Blood Cell and Related Antigens. Paris, September 21-24, 1987. Vol. II: Other blood group systems.  
\*Creuzot-Garcher C, Guerezider V, Assem M, Bron AM, Delannoy P, Bara J: Alteration of sialyl Lewis epitope expression in pterygium. *Invest Ophthalmol Vis Sci.* 1999 Jul;40(8):1631-6.

*For in vitro research use only*