



Interbiotech - BioScience Innovations

AZD490

Monoclonal Antibody to Blood Group Lewis b

Cat# : AZD490, 100µg purified antibody

Clone: 2-25LE

Isotype: Mouse IgG1

Specificity: The antibody 2-25LE reacts with Lewis^b blood group antigen, a carbohydrate determinant carried on both glycolipids and glycoproteins, detected on erythrocytes, certain epithelial cells, and in secretions of certain individuals.

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, Guertzider 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