∗ abeomics

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36-11045: Monoclonal Antibody to Lewis A (Blood Group Antigen)(Clone : SPM279)

| Clonality : | Monoclonal |
|-------------------------|-----------------------------------------|
| Clone Name : | SPM279 |
| Application : | FACS,IF,IHC |
| Reactivity : | Human, Mouse |
| Format : | Purified |
| Isotype : | Mouse IgG1, kappa |
| Immunogen Information : | Mucins isolated from ovarian cyst fluid |

Description

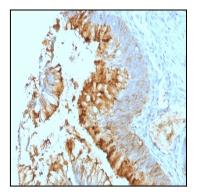
Recognizes a carbohydrate determinant of Gal 1-3(Fuc 1-4) GlcNAc which is blood group antigen Lewis A. It is present primarily on epithelial cells such as colon and kidneys. In the tumors and dedifferentiated tissues, decrease of Lewis A antigen was observed. Lewis A (type 1 chain) is expressed in colonic 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.

Product Info

| Amount : | 100 µg |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Purification : | Affinity Chromatography |
| Content : | 100 μg in 500 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic. |
| Storage condition : | Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles. |

Application Note

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes);



Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with Lewis A Monoclonal Antibody (SPM279).