Blood Group Antigen Lewis B Antibody

Mouse Monoclonal Antibody [Clone SPM194]

Catalog No	Format	Size
2525-MSM1X-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
2525-MSM1X-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
2525-MSM1X-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

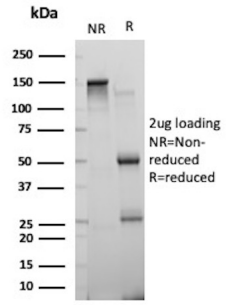
Applications	Tested Dillution	Note
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

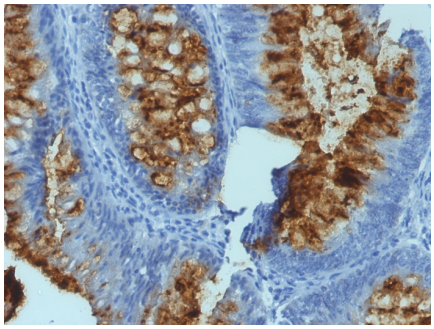
Clone	SPM194
Gene Name	FUT3
Immunogen	Mucin isolated from a human ovarian cyst fluid
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	45kDa
Cellular Localization	Golgi apparatus, Golgi stack membrane
Species Reactivity	Guinea Pig, Human
Positive Control	Colon.

**Optimal dilution for a specific application should be determined.*

Product Images for Blood Group Antigen Lewis B Antibody



SDS-PAGE Analysis of Purified 3-galactosyl-N-acetylglucosaminide 4-alpha-L-fucosyltransferase FUT3 Mouse Monoclonal Antibody (SPM194). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with Blood Group Antigen Lewis B Mouse Monoclonal Antibody (SPM194).

Specificity & Comments

The Lewis histo-blood group system comprises a set of fucosylated glycosphingolipids that are synthesized by exocrine epithelial cells and circulate in body fluids. The glycosphingolipids function in embryogenesis, tissue differentiation, tumor metastasis, inflammation, and bacterial adhesion. They are secondarily absorbed to red blood cells giving rise to their Lewis phenotype. This gene is a member of the fucosyltransferase family, which catalyzes the addition of fucose to precursor polysaccharides in the last step of Lewis antigen biosynthesis. It encodes an enzyme with alpha(1,3)-fucosyltransferase and alpha(1,4)-fucosyltransferase activities. Lewis blood group antigens are carbohydrate moieties structurally integrated in mucous secretions. Lewis antigen system alterations have been described in gastric carcinoma and associated lesions. Anomalous expression of Lewis B antigen has been found in some non-secretory gastric carcinomas and colorectal cancers.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cardiovascular

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.