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Datasheet for ABIN6153102
anti-Blood Group Lewis B antibody (Biotin)

Overview

Quantity:	100 µL
Target:	Blood Group Lewis B
Reactivity:	Human, Guinea Pig, Pig
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Blood Group Lewis B antibody is conjugated to Biotin
Application:	Immunofluorescence (IF), Immunohistochemistry (Formalin-fixed Sections) (IHC (f)), Immunostaining (ISt)

Product Details

Purpose:	Mouse Monoclonal anti-Lewis-B (2-25LE), Biotin Conjugate
Immunogen:	Mucin isolated from a human ovarian cyst fluid
Clone:	2-25LE
Isotype:	IgG1 kappa
Characteristics:	<p>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.</p> <p>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</p>

Product Details

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. Primary antibodies are available purified, or with a selection of fluorescent CF® dyes and other labels. CF® dyes offer exceptional brightness and photostability. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

Target Details

Target:	Blood Group Lewis B
Alternative Name:	Lewis-B (Blood Group Lewis B Products)
Molecular Weight:	45 kDa
Gene ID:	2525, 169238
UniProt:	P21217

Application Details

Application Notes:	Immunohistology formalin-fixed 0.5-1 µg/mL <ul style="list-style-type: none">• Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes• Immunofluorescence 0.5-1 µg/mL• Optimal dilution for a specific application should be determined by user
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Comment:	Colon
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	100 µg/mL
Buffer:	PBS/0.1 % BSA/0.05 % azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

should be handled by trained staff only.