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DATA SHEET

Mouse Anti-Blood Group Antigen Lewis Y/Blood Group Related Antigen BG8 [LWY/1463]: MC0530

Intended Use: For Research Use Only

Description: Blood group related antigens are 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. The group includes A, B, H, Lewis a, Lewis b, Lewis x, Lewis y, and precursor type 1 chain antigens. BG8 Lewis y is a difucosylated tetrasaccharide found on the Type 2 blood group oligosaccharides of glycolipids and glycoproteins. It is expressed in large bowel tumors and colorectal carcinomas. Blood group antigens can be useful to differentiate between pulmonary adenocarcinoma and epithelioid mesotheloma. BG8 Lewis y may be useful in the classification of human renal and bladder tumors. A panel of calretinin, BG8 Lewis y, and Ep-CAM helps distinguish epithelioid mesotheloma from adenocarcinoma from a variety of sources (lung, ovary, breast, stomach).

Specifications

Clone:	LWY/1463
Source:	Mouse
Isotype:	IgG1k
Reactivity:	Human
Immunogen:	Human colon carcinoma cells
Localization:	Cytoplasm
Formulation:	Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)
Storage:	Store at 2°- 8°C
Applications:	IHC

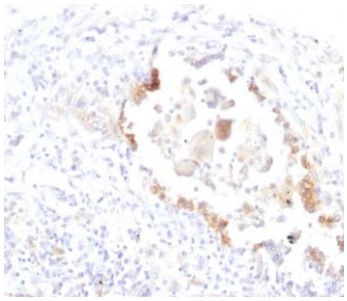
Package:

Description	Catalog No.	Size
Blood Group Lewis Y/Blood Group Related Antigen BG8 Cncentrated	MC0530	1 ml

IHC Procedure*

Positive Control Tissue:	Lung carcinoma
Concentrated Dilution:	50-200
Pretreatment:	Tris EDTA pH9.0, 15 minutes Pressure Cooker or 30-60 minutes water bath at 95°-99°C
Incubation Time and Temp:	30-60 minutes @ RT
Detection:	Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human lung cancer stained with anti-BG8 using DAB

References:

1. Role of energy sensor TlpD of Helicobacter pylori in gerbil colonization and genome analyses after adaptation in the gerbil. Behrens W, et al. Infect Immun 81:3534-51, 2013.
2. Recombinant lectin-like domain of thrombomodulin suppresses vascular inflammation by reducing leukocyte recruitment via interacting with Lewis Y on endothelial cells. Lin WL, et al. Arterioscler Thromb Vasc Biol 33:2366-73, 2013.
3. The recombinant lectin-like domain of thrombomodulin inhibits angiogenesis through interaction with Lewis Y, antigen. Kuo CH, et al. Blood 119:1302-13, 2012.

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