

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

Intended Use: For Research Use Only

Description: The Human Epididymis Protein 4 (HE4), also named WAP four-disulfide core domain protein 2 (WFDC2), is a 25 kDa secreted glycoprotein and is expressed in the epididymis, uterus, and tracheal tissues. HE4 is expressed in a number of normal tissues, and it is also highly expressed in a number of tumors cells lines, such ovarian, colon, breast, lung and renal cells lines. The value of serum HE4 as a biomarker for ovarian and endometrial cancers has been well recognized. Overexpression of HE4 enhanced the malignant behavior of cancer cells including proliferation, invasion, and colony formation. Studies have shown HE4 expression in other malignant tumors including lung adenocarcinoma, stomach cancer and pancreatic cancer.

Specifications

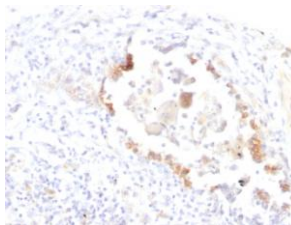
Clone: LWY/1463
 Source: Mouse
 Isotype: Ig1k
 Reactivity: Human
 Localization: Cytoplasm, membrane, extracellular
 Formulation: Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)
 Storage: Store at 2°- 8°C
 Applications: IHC
 Package:

Description	Catalog No.	Size
Blood Group Related Antigen BG8/ Blood Group Lewis Y [LWY/1463] Concentrated	MC0530	1 ml

IHC Procedure*

Positive Control Tissue: Lung carcinoma
 Concentrated Dilution: 50-200
 Pretreatment: Tris EDTA pH9.0, 15 minutes using Pressure Cooker, or 30-60 minutes using 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 carcinoma 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.