

## Blood Group Antigen H Type 2 (CD173) Antibody

Mouse Monoclonal Antibody [Clone 19-OLE]

Catalog No	Format	Size
28-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
28-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
28-MSM1-P1BX	Purified Ab WITHOUT BSA at 1.0mg/ml	100 ug

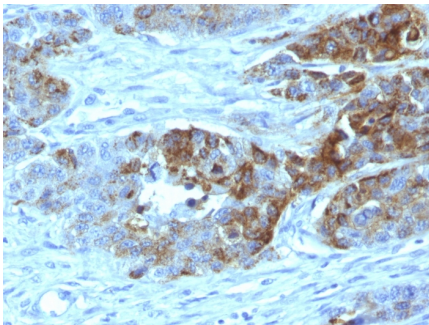
Applications	Tested Dillution	Note
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

### Product Details

<b>Clone</b>	19-OLE
<b>Gene Name</b>	ABO
<b>Immunogen</b>	Mucinous colonic adenocarcinoma
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgM / Kappa
<b>Mol. Weight of Antigen</b>	Multiple
<b>Cellular Localization</b>	Golgi apparatus, Golgi stack membrane, Secreted
<b>Species Reactivity</b>	Human
<b>Positive Control</b>	KG1 cells or human colorectal carcinoma.

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

### Product Images for Blood Group Antigen H Type 2 (CD173) Antibody



Formalin-paraffin human Colon Carcinoma stained with Blood Group Antigen H Type2 MAb (19-OLE)

### Specificity & Comments

19-OLE reacts with the blood group H type 2 antigens, trisaccharide Fuc1-2Gal1-4GlcNAc1 of human origin. This protein is the basis of the ABO blood group system. The histo-blood group ABO involves three carbohydrate antigens: A, B, and H. A, B, and AB individuals express a glycosyltransferase activity that converts the H antigen to the A antigen (by addition of UDP-GalNAc) or to the B antigen (by addition of UDP-Gal), whereas O individuals lack such activity. It is expressed on endothelial cells, epithelial cells and granulocytes. Increased expression of this antigen has been observed on some tumor tissues such as gastric carcinomas, urothelial carcinomas, and colon carcinomas.

### 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.

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