

Blood Group Antigen H Type 2 (CD173) Antibody

Mouse Monoclonal Antibody [Clone A46-B/B10]

Catalog No	Format	Size
28-MSM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
28-MSM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
28-MSM2-P2	Purified Ab with BSA and Azide at 200ug/ml	200 ug

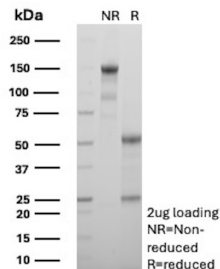
Applications	Tested Dillution	Note
Immunofluorescence (IF)	1-3ug/ml	

Product Details

Clone	A46-B/B10
Gene Name	ABO
Immunogen	Human breast cancer MCF-7 cells
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgM / Kappa
Mol. Weight of Antigen	Multiple
Cellular Localization	Golgi apparatus, Golgi stack membrane, Secreted
Species Reactivity	Human
Positive Control	KG1 cells or human colorectal carcinoma tissues.

*Optimal dilution for a specific application should be determined.

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



SDS-PAGE Analysis of Purified CD173 Mouse Monoclonal Antibody (A46-B/B10).
Confirmation of Purity and Integrity of Antibody.

Specificity & Comments

Recognizes the blood group H type 2 antigens, trisaccharide Fuc α 1-2Gal β 1-4GlcNAc β 1 of human origin. The specificity of this MAb has been identified by haemagglutination tests, immunohistochemistry, binding inhibition studies, and absorption experiments performed with synthetic oligosaccharides. The antibody is virtually nonreactive with H type 1 antigen or with closely related type 2 structures (e.g., Y antigen). A46-B/B10 strongly agglutinates human erythrocytes according to the amount of H substance expressed and can, therefore, easily discriminate between blood groups A1 and A2 as well as A1B and A2B (A1 and A1B are not or only weakly agglutinated). In immunohistochemistry, this antibody seems to provide a highly specific reagent for a restricted number of carcinomas and epithelial lineages in tissue sections and in vitro. This was tested on 753 blood samples. It strongly agglutinates human erythrocytes of blood groups O, A2 and A2B, but not or only very weakly A1 and A1B. This MAb promises to be useful in the determination of A and AB subgroups in blood group serology. This MAb might also be able to define B subgroups. Among 263 B blood samples, 45 (17.1%) were negative or only weakly positive with A46-B/B10.

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.

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