

Product Datasheet

CD173 Antibody (A46-B/B10) - Azide and BSA Free NBP3-14040

Unit Size: 100 ug

Store at -20 to -80C. Avoid freeze-thaw cycles.

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NBP3-14040

CD173 Antibody (A46-B/B10) - Azide and BSA Free

Product Information	
Unit Size	100 ug
Concentration	1 mg/ml
Storage	Store at -20 to -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	A46-B/B10
Preservative	No Preservative
Isotype	IgM Kappa
Purity	Protein A or G purified
Buffer	10mM PBS

Product Description	
Description	<p>1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP3-13930).</p> <p>Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80 C.</p>
Host	Mouse
Species	Human
Reactivity Notes	Others not known.
Specificity/Sensitivity	<p>Recognizes the blood group H type 2 antigens, trisaccharide Fuc1 of human origin. The specificity of this monoclonal antibody has been identified by hemagglutination 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 monoclonal antibody promises to be useful in the determination of A and AB subgroups in blood group serology. This monoclonal antibody 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.</p>
Immunogen	Human breast cancer MCF-7 cells

Product Application Details	
Applications	Haemagglutination, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Binding Inhibition
Recommended Dilutions	Immunocytochemistry/ Immunofluorescence 2-4 ug/ml, Immunohistochemistry-Paraffin 1-2 ug/ml, Haemagglutination, Binding Inhibition
Application Notes	Immunohistology (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes





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Products Related to NBP3-14040

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96975-0.5mg	Mouse IgM Kappa Light Chain Isotype Control (MMK)

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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