

Product Datasheet

Lewis Y Antibody (BR96) - Azide and BSA Free NBP2-81076-0.2mg

Unit Size: 0.2 mg

Store at 4C for up to 3 months. For longer storage, aliquot and store at -20C.

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NBP2-81076-0.2mg

Lewis Y Antibody (BR96) - Azide and BSA Free

Product Information	
Unit Size	0.2 mg
Concentration	1 mg/ml
Storage	Store at 4C for up to 3 months. For longer storage, aliquot and store at -20C.
Clonality	Monoclonal
Clone	BR96
Preservative	0.02% Proclin 300
Isotype	IgG1 Kappa
Purity	Protein A purified
Buffer	PBS

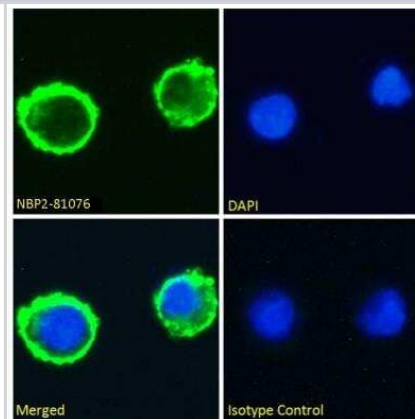
Product Description	
Description	Novus Biologicals Mouse Lewis Y Antibody (BR96) - Azide and BSA Free (NBP2-81076) is a recombinant monoclonal antibody validated for use in IHC, ELISA and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Species	Human
Specificity/Sensitivity	The antibody binds Lewis Y with a K_a of 0.1 μ M.
Immunogen	H3396 cultured line established from a metastasis of a human breast adenocarcinoma.

Product Application Details	
Applications	ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence
Application Notes	This reformatted mouse antibody was made using the variable domain sequences of the original Mouse IgG3 format, for improved compatibility with existing reagents, assays and techniques. The antibody binds specifically to LeY tetrasaccharide, a carbohydrate antigen expressed at the cell surface of selective carcinomas, including those of the colon, breast, ovary and lung. Studies have shown that the monoclonal antibody has toxic effects to antigen-positive tumour cells, performing ADCC at concentrations down to 0.1 μ g/ml. The antibody B396 was also shown to perform complement-dependent cytotoxicity at concentrations of 0.1-5.0 μ g/ml in certain carcinoma cell lines. The monoclonal antibody also has the ability to be internalised by antigen-positive tumour cells, and can thereby be used to deliver anti-cancer drugs to the specific tumour cells.



Images

Immunocytochemistry/Immunofluorescence: Lewis Y Antibody (BR96) [NBP2-81076] - Immunofluorescence staining of fixed Caco-2 cells with [NBP2-81076]. Immunofluorescence analysis of paraformaldehyde fixed Caco-2 cells on Shi-fix coverslips, permeabilized with 0.15% Triton and stained with the chimeric mouse IgG1 version of BR96 [NBP2-81076] at 10 ug/ml for 1h followed by Alexa Fluor 488 secondary antibody (2 ug/ml), showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom NBP2-81076, DAPI, merged channels and an isotype control. The isotype control was stained with an unknown specificity antibody followed by Alexa Fluor 488 secondary antibody.





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Products Related to NBP2-81076-0.2mg

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)

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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