

Product Datasheet

TAG-72 Antibody (Minretumomab (CC49)) - Azide and BSA Free **NBP3-09037-0.2mg**

Unit Size: 0.2 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP3-09037-0.2mg

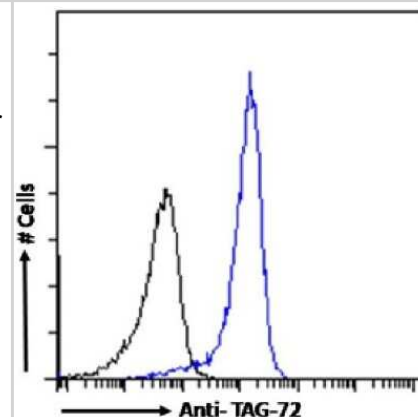
TAG-72 Antibody (Minretumomab (CC49)) - Azide and BSA Free

Product Information	
Unit Size	0.2 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	Minretumomab (CC49)
Preservative	0.02% Proclin 300
Isotype	IgG1 Kappa
Purity	Protein A purified
Buffer	PBS
Product Description	
Host	Mouse
Species	Human
Specificity/Sensitivity	This antibody is specific for the disaccharide sialyl Tn epitope of human TAG-72. TAG-72 is expressed on a wide range of human carcinomas, including colorectal cancers.
Immunogen	This antibody was raised by immunising BALB/c mice with TAG-72 purified from LS-174T human carcinoma xenograft.
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Radioimmunoassay
Recommended Dilutions	Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Radioimmunoassay
Application Notes	The reactivity of this antibody with colon cancer extract and purified TAG-72 has been confirmed in solid-phase radioimmunoassays, and its reactivity with formalin-fixed carcinoma tissue sections confirmed in immunoperoxidase studies (Muraro et al, 1988). In flow cytometric analysis of freshly-isolated human carcinoma cells, this antibody reacts more strongly than the anti-TAG-72 MAb B72.3 (Muraro et al, 1988). Equally, flow cytometric analyses using this antibody have revealed that TAG-72 is expressed by certain haematopoietic cell lines (Nicolet et al, 1997). In western blot analysis, this antibody reacts with TAG-72 (Muraro et al, 1988). A humanised version of this antibody has been shown to be safe and sensitive in detecting recurrent colorectal carcinomas in radioimmunoguided surgery (Agnese et al, 2004), while radioimmunotherapy with an iodine-131-conjugated antibody has been shown to have a significant therapeutic effect on metastatic colon carcinoma in Phase I trials (Divgi et al, 1995).

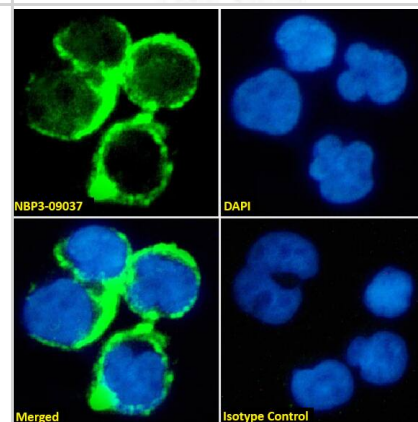


Images

Flow Cytometry: TAG-72 Antibody (Minretumomab (CC49)) [NBP3-09037] - Jurkat cells were stained with anti-unknown IgG antibody (Ab; isotype control, black line) or the mouse IgG-chimeric version of Minretumomab (CC49) (NBP3-09037, blue line) at a dilution of 1:100 for 1h at RT. After washing, bound antibody was detected using a goat anti-mouse IgG AlexaFluor(R) 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.



Immunocytochemistry /Immunofluorescence: TAG-72 Antibody (Minretumomab (CC49)) - Azide and BSA Free [NBP3-09037] - Immunofluorescence analysis of paraformaldehyde fixed Jurkat cells stained with NBP3-09037 at 10 ug/ml followed by Alexa Fluor(R) 488 secondary antibody (2 ug/ml), showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom: NBP3-09037, DAPI, merged channels and an isotype control. The isotype control was stained with anti-unknown antibody followed by Alexa Fluor (R) 488 secondary antibody.





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Products Related to NBP3-09037-0.2mg

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NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
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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