Product Datasheet

TAG-72 Antibody (Minretumomab (CC49)) - Chimeric - Azide and BSA Free
NBP3-09038-0.2mg

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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NBP3-09038-0.2mg

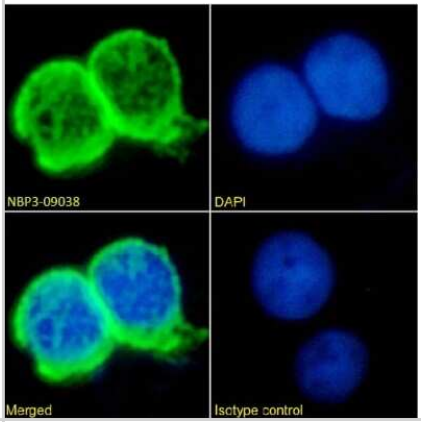
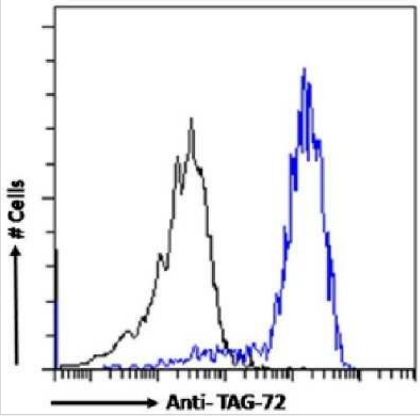
TAG-72 Antibody (Minretumomab (CC49)) - Chimeric - Azide and BSA Free

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	IgG Kappa
Purity	Protein A purified
Buffer	PBS

Product Description	
Description	Novus Biologicals Rabbit TAG-72 Antibody (Minretumomab (CC49)) - Chimeric - Azide and BSA Free (NBP3-09038) is a recombinant monoclonal antibody validated for use in IHC, WB, Flow and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
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	This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques. 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

Immunocytochemistry/Immunofluorescence: TAG-72 Antibody (Minretumomab (CC49)) - Chimeric [NBP3-09038] - Immunofluorescence analysis of paraformaldehyde fixed Jurkat cells immobilized on Shi-fix(TM) cover-slips and stained with the chimeric rabbit IgG version of Minretumomab (CC49) (NBP3-09038) at 10 ug/ml followed by Alexa Fluor(R) 488 secondary antibody (2 ug/ml), showing strong membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom NBP3-09038, DAPI, merged channels and an isotype control. The isotype control was stained with anti-Fluorescein antibody followed by Alexa Fluor(R) 488 secondary antibody.	
Flow Cytometry: TAG-72 Antibody (Minretumomab (CC49)) - Chimeric [NBP3-09038] - Jurkat cells were stained with anti-Fluorescein IgG antibody (4-4-20; isotype control, black line) or the rabbit IgG1 version of Minretumomab (CC49) (NBP3-09038, 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.	

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Products Related to NBP3-09038-0.2mg

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP3-50055	Human TAG-72 ELISA Kit (Chemiluminescence)

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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