

Product datasheet for **TA386252**

TAG72 Mouse Monoclonal Antibody [Clone ID: Minretumomab (CC49)]

Product data:

Product Type:	Primary Antibodies
Clone Name:	Minretumomab (CC49)
Applications:	FC, IHC, WB
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1, kappa
Clonality:	Monoclonal
Immunogen:	This antibody was raised by immunising BALB/c mice with TAG-72 purified from LS-174T human carcinoma xenograft.
Specificity:	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.

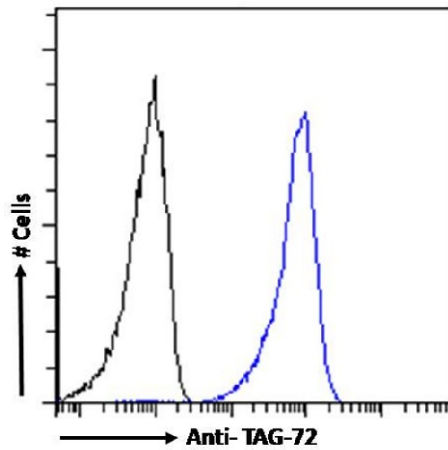
The reactivity of this antibody with colon cancer extract and purified TAG-72 has been confirmed in solid-phase radioimmunoassays, and its reactivity with formalin-fixed carcinoma tissue sections confirmed in immunoperoxidase studies (Muraro et al, 1988). In flow cytometric analysis of freshly-isolated 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).

Formulation:	PBS with 0.02% Proclin 300.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Please store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Avoid freeze and thaw cycles.

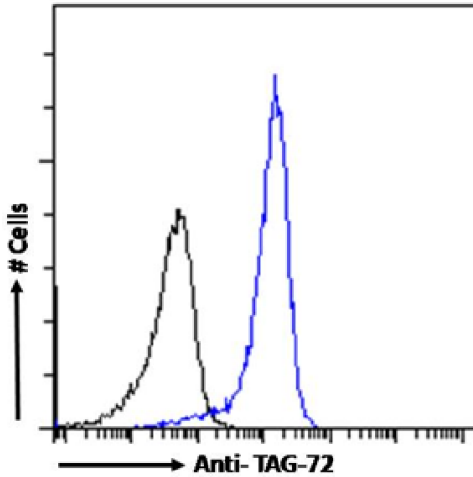
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Stability: 3 years from dispatch.

Product images:



Flow cytometry using the Anti-TAG-72 antibody Minretumomab (CC49) (TA386252). Paraformaldehyde fixed Jurkat cells were stained with anti-unknown specificity antibody ([TA385783]; isotype control, black line) or the mouse IgG1 version of Minretumomab (CC49) (TA386252, blue line) at a dilution of 1:100 for 1h at RT. After washing, the bound antibody was detected using a goat anti-mouse IgG AlexaFluor® 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.



Flow-cytometry using the anti-TAG-72 antibody Minretumomab (CC49) (TA386252). Jurkat cells were stained with anti-unknown IgG antibody ([TA385783]; isotype control, black line) or the mouse IgG-chimeric version of Minretumomab (CC49) (TA386252, 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® 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.