

## Product datasheet for **TA386253**

### **TAG72 Rabbit Monoclonal Antibody [Clone ID: Minretumomab (CC49)]**

#### **Product data:**

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

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

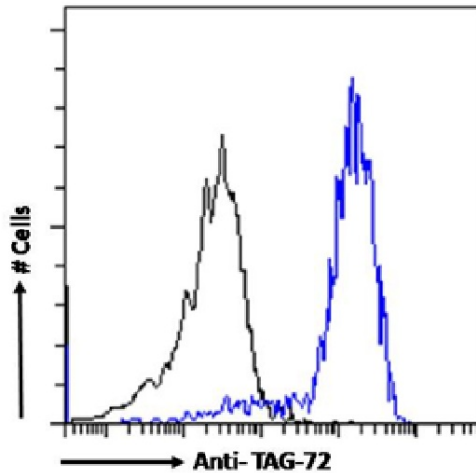


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**Stability:** 3 years from dispatch.

**Note:** 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.

**Product images:**



Flow-cytometry using the anti-TAG-72 antibody Minretumomab (CC49 ) (TA386253). Jurkat cells were stained with anti-Fluorescein IgG antibody (clone 4-4-20; isotype control, black line) or the rabbit IgG1 version of Minretumomab (CC49 ) (TA386253, 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.