

Anti-TAG-72 [Minretumomab (CC49)] Standard Size Ab01147-13.12

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgG4-S228P, Kappa

Clone Number: Minretumomab (CC49)

Alternative Name(s) of Target: CA 72-4; Tumor-associated antigen 72; TAG72; Tumor-associated glycoprotein 72

UniProt Accession Number of Target Protein:

Published Application(s): RIA, therapeutic, WB, FC, IHC

Published Species Reactivity: Human

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.

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).

Antibody First Published in: Muraro et al. Generation and characterization of B72.3 second generation monoclonal antibodies reactive with the tumor-associated glycoprotein 72 antigen. Cancer Res. 1988 Aug 15;48(16):4588-96. [PMID:3396010](#)

Note on publication: Describes the original generation of this antibody.

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

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

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.