

Mouse anti-Human TAG-72 Monoclonal Antibody | anti-TAG-72 antibody

Anti-TAG-72 [Minretumomab (CC49)], Mouse IgG1, Kappa

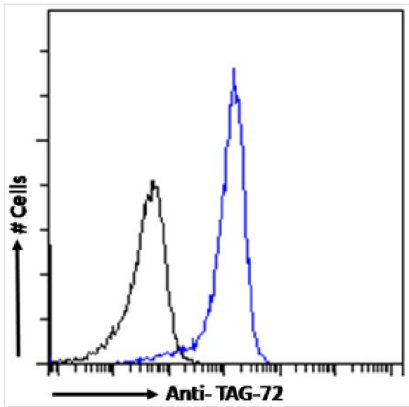
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA72054	Mouse	Human	Immunohistochemistry, Flow Cytometry, Functional Assay, Western Blot, immunoassay, Radioimmunoassay

PRODUCT SYNONYMS

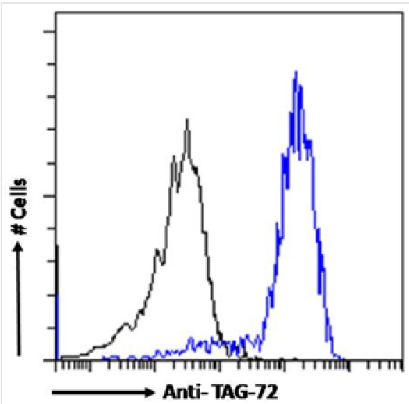
TAG-72; Monoclonal Antibody; Anti-TAG-72 [Minretumomab (CC49)]; Mouse IgG1; Kappa; CA 72-4; Tumor-associated antigen 72; TAG72; Tumor-associated glycoprotein 72; anti-TAG-72 antibody

PRODUCT SPECIFICATIONS

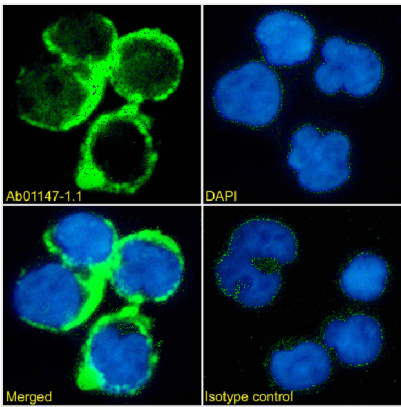
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1, Kappa
Clone Number	CC49
Specificity	The antibody is specific for the disaccharide sialyl Tn epitope of human TAG-72. TAG-72 is expressed on a wide range of human carcinomas, including colorectal cancers.
Purity/Purification	Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-TAG-72 antibody	IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), RIA (Radioimmunoassay)
Antibody Type	Recombinant Antibody
Immunogen	This antibody was raised by immunising BALB/c mice with TAG-72 purified from LS-174T human carcinoma xenograft.
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.



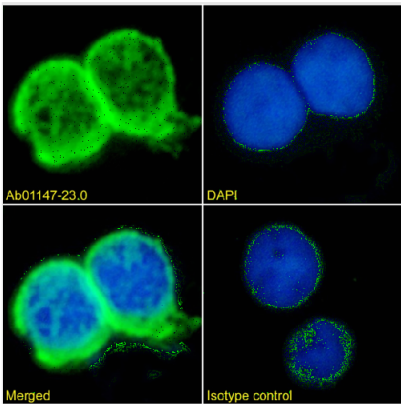
FCM/FACS (Flow Cytometry)
Flow-cytometry using the anti-TAG-72 antibody Minretumomab (CC49). Jurkat cells were stained with anti-unknown IgG antibody or the mouse IgG-chimeric version of Minretumomab (CC49) (blue line) at a dilution of 1:100 for 1h at RT. After washing, bound antibody was detected using a goat anti-mouse IgG AlexaFluor 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.



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



IF (Immunofluorescence)
Immunofluorescence staining of Jurkat cells using anti-TAG-72 Minretumomab (CC49) Immunofluorescence analysis of paraformaldehyde fixed Jurkat cells stained with the chimeric mouse IgG version of Minretumomab (CC49) at 10ug/ml followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom, DAPI, merged channels and an isotype control. The isotype control was stained with anti-unknown antibody followed by Alexa Fluor 488 secondary antibody.



IF (Immunofluorescence)
Immunofluorescence staining of Jurkat cells using anti-TAG-72 antibody Minretumomab (CC49) Immunofluorescence analysis of paraformaldehyde fixed Jurkat cells immobilized on Shi-fix cover-slips and stained with the chimeric rabbit IgG version of Minretumomab (CC49) at 10ug/ml followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing strong membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom, DAPI, merged channels and an isotype control. The isotype control was stained with anti-Fluorescein antibody followed by Alexa Fluor 488 secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-TAG-72 antibody	Describes the original generation of this antibody. Recombinant monoclonal antibody to TAG-72. Manufactured using our Recombinant Platform with variable regions (i.e. specificity) from the hybridoma Minretumomab (CC49)
Product Categories/Family for anti-TAG-72 antibody	Oncology; Immunotherapy; Biosimilar
References	Muraro et al.; Cancer Res. 1988 Aug 15;48(16):4588-96. OriginPubPMID: 8108385

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.