

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

Anti-TAG-72 [Minretumomab (CC49)], Rabbit IgG, Kappa

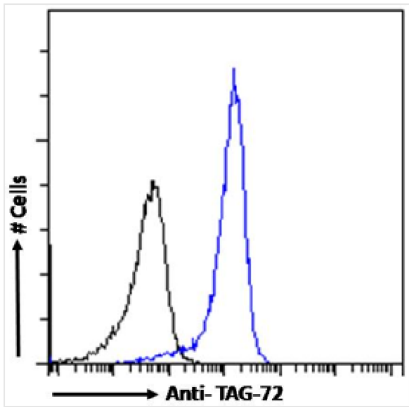
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA72055	Mouse	Human	Immunohistochemistry, Flow Cytometry, Functional Assay, Western Blot, immunoassay, Radioimmunoassay

PRODUCT SYNONYMS

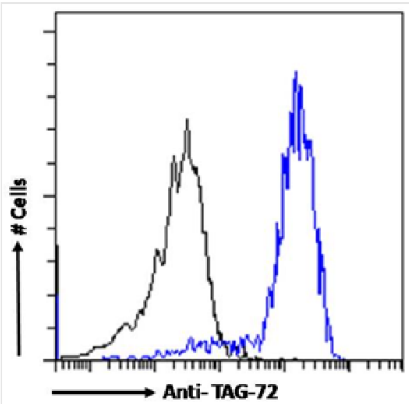
TAG-72; Monoclonal Antibody; Anti-TAG-72 [Minretumomab (CC49)]; Rabbit IgG; Kappa; CA 72-4; Tumor-associated antigen 72; TAG72; Tumor-associated glycoprotein 72; anti-TAG-72 antibody

PRODUCT SPECIFICATIONS

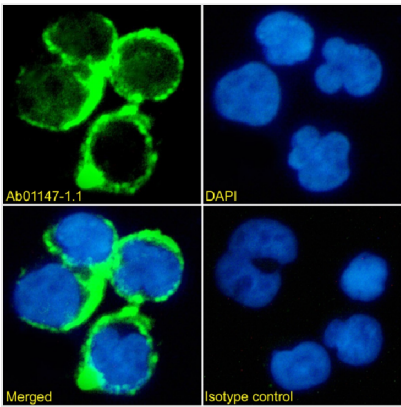
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG, Kappa
Clone Number	CC49
Specificity	The antibody is specific for the disaccharide sialyl Tn epitope of human TAG-72. TAG-72 is expressed on a wide range of human carcinomas, including colorectal cancers.
Purity/Purification	Protein 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.
Chimeric Use Statement	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.
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.



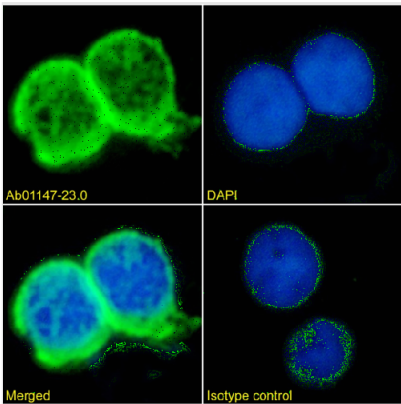
FCM/FACS (Flow Cytometry)
Flow-cytometry using the anti-TAG-72 antibody Minretumomab (CC49). Jurkat cells were stained with anti-unknown IgG antibody or the mouse IgG-chimeric version of Minretumomab (CC49) (blue line) at a dilution of 1:100 for 1h at RT. After washing, bound antibody was detected using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