

GITR recombinant antibody

Anti-GITR [YGITR765]

CATALOG # AAA71998	REACTIVITY Mouse	APPLICATIONS Flow Cytometry, Functional Assay
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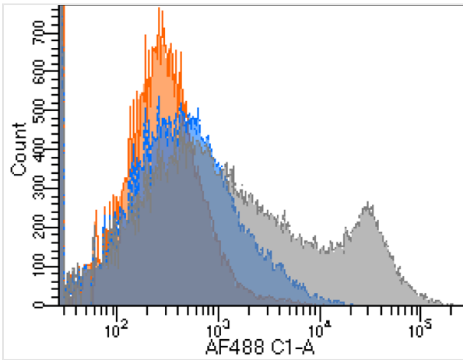
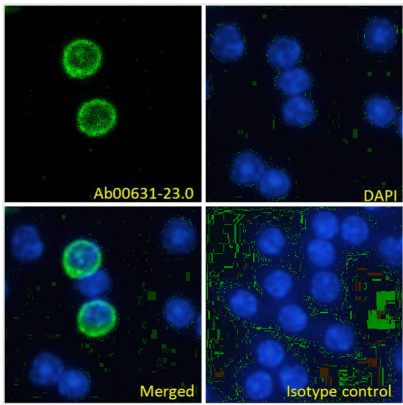
PRODUCT SYNONYMS

GITR; Monoclonal Recombinant Antibody; Anti-GITR [YGITR765]; Tumor necrosis factor receptor superfamily member 18; TNFRSF18; AITR; CD357; GITR-D; activation-inducible TNFR family receptor; glucocorticoid-induced tumor necrosis factor receptor; GITR recombinant antibody

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG, Kappa
Clone Number	YGITR765
Specificity	This antibody binds murine GITR.
Purity/Purification	Protein A Affinity Purified
Concentration	1 mg/ml (varies by lot)
Sequence Length	234
Applicable Applications for GITR recombinant antibody	Blocking, FCM/FACS (Flow Cytometry)
Immunogen	nB2/6TG cells transfected with mouse GITR injected into DA rats.
Buffer Composition	PBS only with 0.02% Proclin 300.
Chimeric Use Statement	This chimeric rabbit antibody was made using the variable domain sequences of the original Rat IgG2b format, for improved compatibility with existing reagents, assays and techniques.
Labeled Substance	None
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



FCM/FACS (Flow Cytometry)
Flow-cytometry using anti-GTR antibody YGTR765 Mouse activated T cells were stained with an isotype control or the rabbit-chimeric version of YGTR765 at a concentration of 1 ug/ml for 30 mins at RT without (Blue) and with (Grey) stimulation of the lymphocytes with immobilized anti-CD3 and anti-CD28 antibodies. After washing, bound antibody was detected using a AF488 conjugated donkey anti-rabbit antibody and cells analysed on a FACSCanto flow-cytometer.

IF (Immunofluorescence)
Immunofluorescence staining of fixed mouse splenocytes with anti-GTR antibody
Immunofluorescence analysis of paraformaldehyde fixed mouse (Mus musculus) splenocytes on Shi-fix coverslips, permeabilized with 0.15% Triton stained with the chimeric rabbit version at 10 ug/ml for 1h followed by Alexa Fluor 488 secondary antibody (1 ug/ml), showing membrane staining in a subset of cells. 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 an anti-Fluorescein antibody followed by Alexa Fluor 488 secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for GTR recombinant antibody	Recombinant monoclonal antibody to GTR. Manufactured using a proprietary Recombinant Platform with variable regions (i.e. specificity) from the hybridoma YGTR765. nB2/6TG cells transfected with mouse GTR injected into DA rats.
Product Categories/Family for GTR recombinant antibody	Immunology; Costimulation
References	Cobbold et al. Induction of foxP3+ regulatory T cells in the periphery of T cell receptor transgenic mice tolerized to transplants. J Immunol. 2004 May 15; 172(10):6003-10. PMID:15128783

NCBI AND UNIPROT INFORMATION

NCBI GI #	254763669
NCBI GeneID	100407686
Molecular Weight	24,933 Da
NCBI Official Full Name	GTR
NCBI Official Symbol	TNFRSF18
NCBI Official Synonym Symbols	GTR
NCBI Protein Information	tumor necrosis factor receptor superfamily member 18
UniProt Protein Name	GTR

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.