

Mouse IL-2R Antibody | anti-IL-2R antibody

Anti-IL-2R [Daclizumab], Mouse IgG1

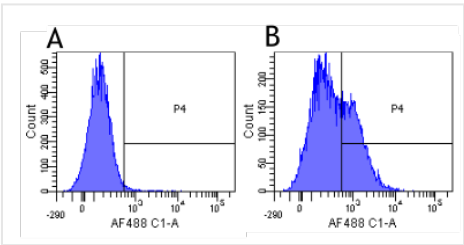
CATALOG # AAA72231	HOST Mouse	REACTIVITY Human, Rhesus Monkey, Cynomolgus Monkey	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

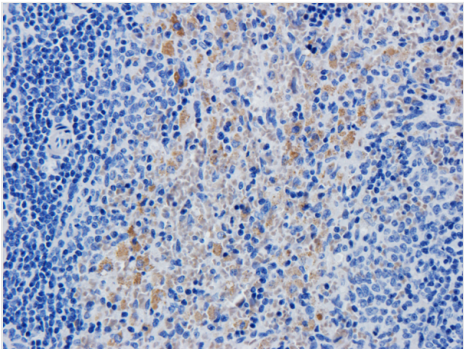
IL-2R; Anti-IL-2R [Daclizumab]; Mouse IgG1; CD25; Interleukin-2 receptor subunit alpha; IL-2 receptor subunit alpha; IL-2R subunit alpha; IL-2-RA; IL2-RA; TAC antigen; p55; anti-IL-2R antibody

PRODUCT SPECIFICATIONS

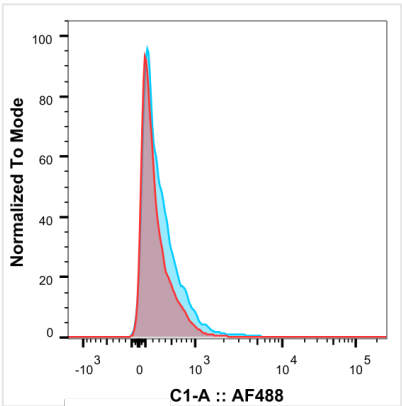
Host	Mouse
Reactivity	Human, Rhesus Monkey, Cynomolgus Monkey
Isotype	Mouse IgG1, Kappa
Clone Number	Daclizumab
Specificity	Binds to p55 chain of IL2R on human T cells, Tac antigen, which is expressed on T cells activated by mitogens, soluble antigens, and alloantigens but not on resting T cells, thymocytes, B cells, monocytes, activated B cells, leukemic T cell blasts from patients with acute lymphoblastic leukemia, and long-term T cell lines.
Purity/Purification	Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-IL-2R antibody	Blocking, FCM/FACS (Flow Cytometry)
Immunogen	Cultured T-cells derived from a patient with Mycosis fungoides.
Chimeric Use Statement	This chimeric mouse antibody was made using the variable domain sequences of the original Human 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.



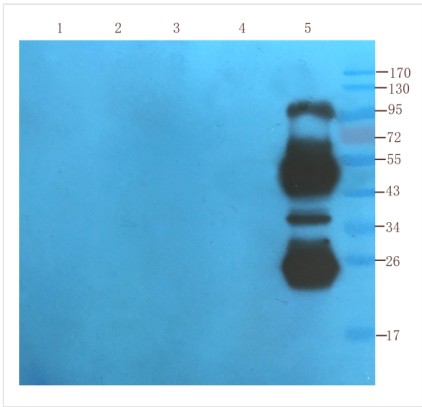
FCM/FACS (Flow Cytometry)
Flow-cytometry using the anti-CD25 (IL2R) research biosimilar antibody Daclizumab (AAA72231) Human lymphocytes were stained with an isotype control or the rabbit-chimeric version of Daclizumab (AAA72231-23.0, panel B) at a concentration of 1 ug/ml for 30 mins at RT. After washing, bound antibody was detected using a AF488 conjugated donkey anti-rabbit antibody (ab150073) and cells analysed on a FACSCanto flow-cytometer.



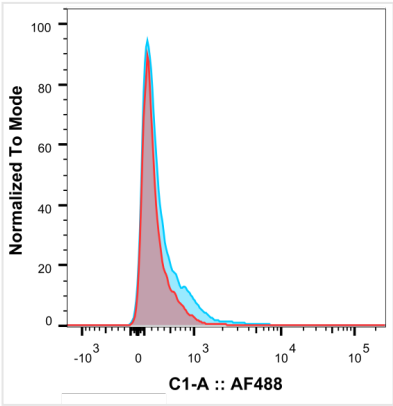
IHC (Immunohistochemistry)
Immunohistochemical staining of rat spleen using anti-IL2R antibody AAA72231 Formalin fixed rat spleen slices were stained with AAA72231-10.0 at 5 ug/ml.



FCM/FACS (Flow Cytometry)
Flow-cytometry using anti-IL-2R antibody Daclizumab (AAA72231) Cynomolgus monkey lymphocytes were stained with an isotype control or the rabbit-chimeric version of Daclizumab (AAA72231-23.0, blue) at a concentration of 1 ug/ml for 30 mins at RT. After washing, bound antibody was detected using a AF488 conjugated donkey anti-rabbit antibody (ab150073) and cells analysed on a FlowJo single-cell flow cytometer.



WB (Western Blot)
Western Blot using anti-IL2R antibody AAA72231 Mouse lipocyte (lane 1), mouse spleen (lane 2), mouse thymus (lane 3), mouse lymph node (lane 4) and human thyroid tumour (lane 5) samples were resolved on a 10% SDS PAGE gel and blots probed with AAA72231-10.0 at 1.5 ug/ml before being detected by a secondary antibody. The expected band size (31 kDa) is seen in the human-derived sample, as well as further bands that are specific to human.



FCM/FACS (Flow Cytometry)
Flow-cytometry using anti-IL-2R antibody Daclizumab (AAA72231) Rhesus monkey lymphocytes were stained with an isotype control or the rabbit-chimeric version of Daclizumab (AAA72231-23.0, blue) at a concentration of 1 ug/ml for 30 mins at RT. After washing, bound antibody was detected using a AF488 conjugated donkey anti-rabbit antibody (ab150073) and cells analysed on a FlowJo single-cell flow cytometer.

ADDITIONAL INFORMATION

Product Categories/Family for anti-IL-2R antibody	biosimilar
References	Queen C, Schneider WP, Selick HE, Payne PW, Landolfi NF, Duncan JF, Avdalovic NM, Levitt M, Junghans R, Waldmann TA. A humanized antibody that binds to the interleukin 2 receptor. Proc Natl Acad Sci U S A. 1989 Dec;86(24):10029-33. PMID:2513570

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557667
NCBI GeneID	3559
NCBI Accession #	NP_000408.1
NCBI GenBank Nucleotide #	NM_000417.2
UniProt Accession #	P01589; Q5W007
Molecular Weight	30,819 Da
NCBI Official Full Name	interleukin-2 receptor subunit alpha
NCBI Official Synonym Full Names	interleukin 2 receptor, alpha
NCBI Official Symbol	IL2RA
NCBI Official Synonym Symbols	CD25; IL2R; TCGFR; IDDM10
NCBI Protein Information	interleukin-2 receptor subunit alpha; p55; IL2-RA; IL-2-RA; TAC antigen; IL-2R subunit alpha; IL-2 receptor subunit alpha
UniProt Protein Name	Interleukin-2 receptor subunit alpha
UniProt Gene Name	IL2RA
UniProt Synonym Gene Names	IL-2 receptor subunit alpha; IL-2-RA; IL-2R subunit alpha; IL2-RA
UniProt Entry Name	IL2RA_HUMAN

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.