

CD25 recombinant antibody

Anti-CD25 [7G7/B6], Mouse IgG2a, kappa

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA72499	Mouse	Human	ELISA, Immunoprecipitation, Flow Cytometry, Functional Assay, Immunofluorescence

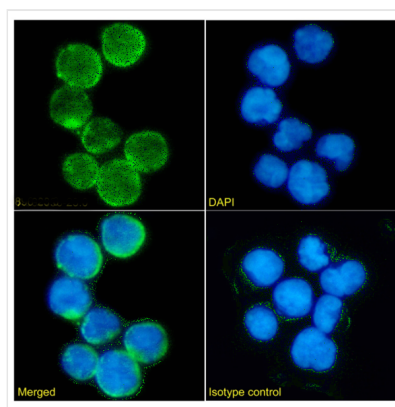
PRODUCT SYNONYMS

CD25; Monoclonal Recombinant Antibody; Anti-CD25 [7G7/B6]; Mouse IgG2a; kappa; IL2-RA; Interleukin-2 receptor subunit alpha; IL-2-RA; IL-2R subunit alpha; TAC antigen; p55; Receptor for interleukin-2; CD25 recombinant antibody

PRODUCT SPECIFICATIONS

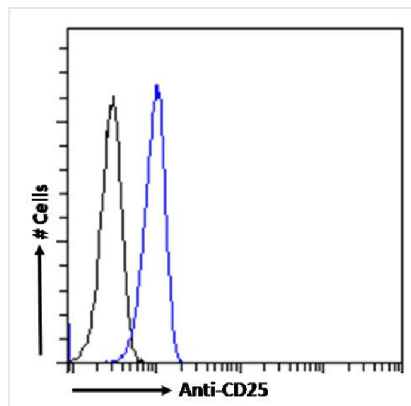
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG2a kappa
Clone Number	7G7/B6
Specificity	This antibody is specific for human interleukin 2 (IL2) receptor alpha (IL2RA), which is expressed by activated T cells. IL2R alpha chains can exist as low-affinity monomers, or can non-covalently associate with IL2R beta chains to form high-affinity dimers.
Purity/Purification	Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for CD25 recombinant antibody	ELISA, IP (Immunoprecipitation), FCM/FACS (Flow Cytometry), IF (Immunofluorescence)
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of Molt4 cells with anti-CD25 (AAA72499) 7G7/B6. Immunofluorescence analysis of paraformaldehyde fixed Molt4 cells on Shi-fix cover-slips stained with the chimeric rabbit IgG version of 7G7/B6 (AAA72499) (1:100 dilution) for 1h followed by AlexaFluor 488 secondary antibody (1:1000 dilution), showing membranous staining. The nucleus is stained DAPI (blue). Right, top-bottom AAA72499, DAPI, merged channels and an isotype control. The isotype control was an unknown specificity antibody followed by staining with AlexaFluor 488 secondary antibody.



FCM/FACS (Flow Cytometry)

Flow cytometry using the Anti-CD25 antibody 7G7/B6 (AAA72499). Paraformaldehyde fixed Molt4 cells permeabilized with 0.5% Triton were stained with anti-unknown specificity antibody or the rabbit IgG version of 7G7/B6 (AAA72499, blue line) at a dilution of 1:100 for 1 h at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG Alexa Fluor 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.

ADDITIONAL INFORMATION

Related Product Information for CD25 recombinant antibody	This antibody was raised by injecting mice intraperitoneally and subcutaneously with Hong Kong influenza virus-stimulated PBMC, which express human IL-2 receptor alpha. Immune splenocytes were subsequently fused with SP2/0 cells to produce stable hybridomas.
References	Rubin et al A Monoclonal Antibody 7G7/B6, Binds to an Epitope on the Human Interleukin-2 (IL-2) Receptor That is Distinct From That Recognized by IL-2 or Anti-Tac HYBRIDOMA Volume 4, No. 2, 1985, Mary Ann Liebert, Inc., Publishers N/A2408992 Note on publication: Describes the original generation and characterisation of this antibody.

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd25-recombinant-antibody-clone-7g7-b6-immunoprecipitation-flow-cytometry-immunofluorescence-elisa/72499>