

CD25 recombinant antibody

Anti-CD25 [7G7/B6], Rabbit IgG, kappa

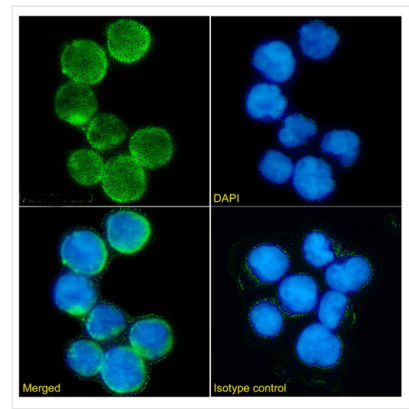
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA72500	Rabbit	Human	ELISA, Immunoprecipitation, Flow Cytometry, Functional Assay, Immunofluorescence

PRODUCT SYNONYMS

CD25; Monoclonal Recombinant Antibody; Anti-CD25 [7G7/B6]; Rabbit IgG; 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

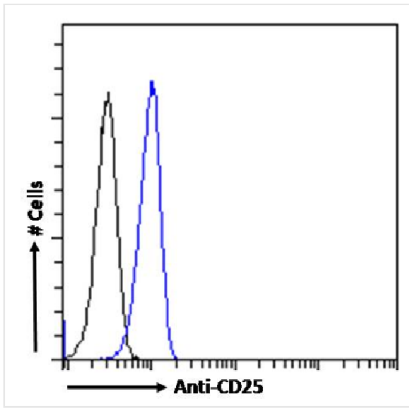
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG 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)
Chimeric Use Statement	This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG2a 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.



IF (Immunofluorescence)

Immunofluorescence staining of Molt4 cells with anti-CD25 (AAA72500) 7G7/B6. Immunofluorescence analysis of paraformaldehyde fixed Molt4 cells on Shi-fix coverslips stained with the chimeric rabbit IgG version of 7G7/B6 (AAA72500) (1:100 dilution) for 1 h followed by Alexa Fluor 488 secondary antibody (1:1000 dilution), showing membrane staining. The nucleus is stained DAPI (blue). Right, top-bottom AAA72500, DAPI, merged channels and an isotype control. The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor 488 secondary antibody.



FCM/FACS (Flow Cytometry)

Flow cytometry using the Anti-CD25 antibody 7G7/B6 (AAA72500). Paraformaldehyde fixed Molt4 cells permeabilized with 0.5% Triton were stained with anti-unknown specificity antibody or the rabbit IgG version of 7G7/B6 (AAA72500, 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/72500>