

CD25/IL-2R alpha Recombinant Antibody | CD25/IL-2Ralpha recombinant antibody

Rabbit anti-CD25/IL-2R alpha Recombinant Monoclonal Antibody [BLR157J]

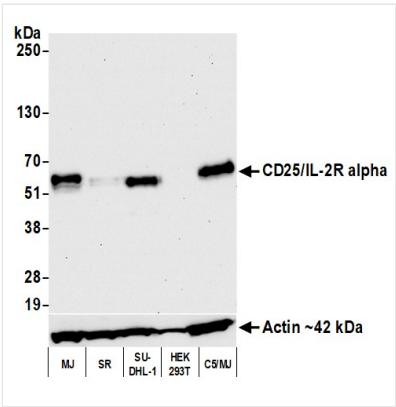
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA213614	Rabbit	Human	Flow Cytometry, Functional Assay, Immunocytochemistry, Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

CD25/IL-2R alpha; Monoclonal Recombinant Antibody; Rabbit anti-CD25/IL-2R alpha Recombinant Monoclonal Antibody [BLR157J]; IMD41; IL-2 receptor subunit alpha; TCGFR; TAC antigen; p55; interleukin-2 receptor subunit alpha; interleukin 2 receptor; alpha; IL-2-RA; CD antigen CD25; IL2R; IL-2R subunit alpha; IDDM10; CD25; IL2-RA; Interleukin-2 receptor subunit alpha; interleukin 2 receptor subunit alpha; CD25/IL-2Ralpha recombinant antibody

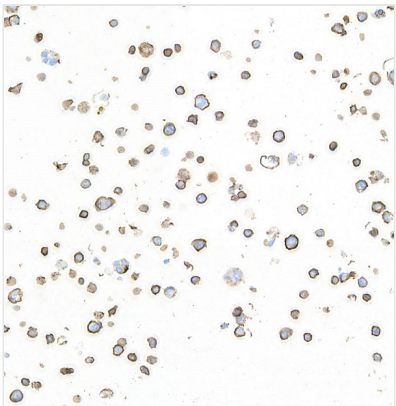
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Clone Number	BLR157J
Purity/Purification	Purified
Form/Format	Liquid. Whole IgG. Borate Buffered Saline (BBS) pH 8.2 with 0.1% BSA and 0.09% Sodium Azide
Concentration	200ug/ml (varies by lot)
Applicable Applications for CD25/IL-2Ralpha recombinant antibody	FCM/FACS (Flow Cytometry), ICC (Immunocytochemistry), IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Residues 22-213 (ECD)
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt



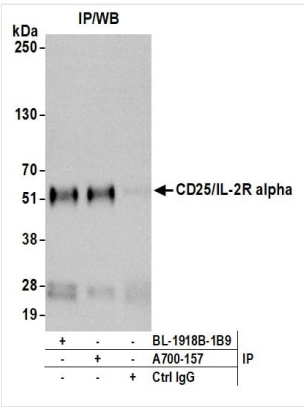
WB (Western Blot)

Detection of human CD25/IL-2R alpha by western blot. Samples: Whole cell lysate (25 ug) from MJ, SR, SU-DHL-1, HEK293T, and C5/MJ cells prepared using NETN lysis buffer. Antibody: Rabbit anti-CD25/IL-2R alpha recombinant monoclonal antibody (AAA213614 lot 1) used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG . Detection: Chemiluminescence with an exposure time of 30 seconds. Lower Panel: Rabbit anti-Actin recombinant monoclonal antibody .



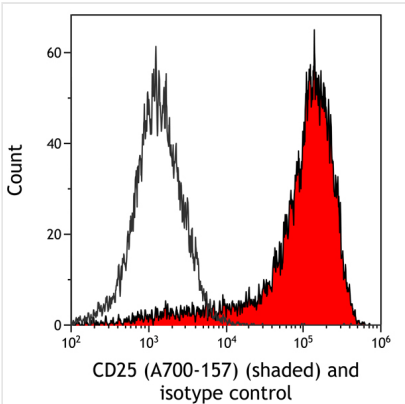
ICC (Immunocytochemistry)

Detection of human CD25/IL-2R alpha in FFPE MJ cells by immunocytochemistry. Antibody: Rabbit anti-CD25/IL-2R alpha recombinant monoclonal antibody (AAA213614 lot 1). Secondary: HRP-conjugated goat anti-rabbit IgG . Substrate: DAB.



IP (Immunoprecipitation)

Detection of human CD25/IL-2R alpha by western blot of immunoprecipitates. Samples: Whole cell lysate (0.5 mg per IP reaction; 5% of IP loaded) from MJ cells prepared using NETN lysis buffer. Antibodies: Rabbit anti-CD25/IL-2R alpha recombinant monoclonal antibody (AAA213614 lot 1) used for IP at 20 ul/mg lysate. CD25/IL-2R alpha was also immunoprecipitated by another antibody against a different epitope of CD25/IL-2R alpha (BL-1918B-1B9). For blotting immunoprecipitated CD25/IL-2R alpha, AAA213614 was used at 1:1000. Detection: Chemiluminescence with an exposure time of 30 seconds.



FCM/FACS (Flow Cytometry)

Detection of human CD25/IL-2R alpha (shaded) in MJ cells by flow cytometry. Antibody: Rabbit anti-CD25/IL-2R alpha recombinant monoclonal antibody (AAA213614) or isotype control (unshaded). Secondary: DyLight 488-conjugated goat anti-rabbit IgG .

ADDITIONAL INFORMATION

Related Product Information for CD25/IL-2Ralpha recombinant antibody	The interleukin 2 (IL2) receptor alpha (IL2RA) and beta (IL2RB) chains, together with the common gamma chain (IL2RG), constitute the high-affinity IL2 receptor. Homodimeric alpha chains (IL2RA) result in low-affinity receptor, while homodimeric beta (IL2RB) chains produce a medium-affinity receptor. Normally an integral-membrane protein, soluble IL2RA has been isolated and determined to result from extracellular proteolysis. The IL2 receptor is involved in the regulation of immune tolerance by controlling regulatory T cells (TREGs) activity. TREGs suppress the activation and expansion of autoreactive T-cells. [taken from NCBI Entrez Gene (Gene ID: 3559)].
Product Categories/Family for CD25/IL-2Ralpha recombinant antibody	Primary Antibodies

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-il-2r-alpha-recombinant-antibody-clone-blr157j-flow-cytometry-immunocytochemistry-immunoprecipitation-western-blot-elisa/213614>