IL2RA Antibody

PRODUCT OVERVIEW

Product Name	IL2RA, Antibody
Full Product Name	Anti-IL2RA (daclizumab biosimilar) mAb
Product Gene Name	anti-IL2RA antibody
Product Synonym Names	p55; CD25; IL2R; IMD41; TCGFR; IDDM10; IL2-RA; IL-2-RA; BIIB-019; BIIB019; Dacliximab; RO 247375; RO247375; RO-247375; Zenapax; Zinbryta
Isotype	IgG1
Species Reactivity	Human
Form/Format	Lyophilized from sterile PBS, pH 7.4. Normally 5%-8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Preparation and Storage	Store at -20 degree C to -80 degree C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80 degree C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Molecular Weight	30,819 Da
Chromosome Location	Chromosome: 10; NC_000010.10 (6052657..6104333, complement). Location: 10p15-p14
OMIM	147730
3D Structure	ModBase 3D Structure for P01589
Product Categories/Family for anti-IL2RA antibody	Biosimilar reference antibodies
Applications Tested/Suitable for anti-IL2RA antibody	Flow Cytometry (FC/FACS)
Related Product Information for anti-IL2RA antibody	MBS1881090 is an antibody targeting IL2RA. Also known as Anti-IL2RA (daclizumab biosimilar) mAb. Reactive in Human.
Other Notes	Small volumes of anti-IL2RA antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL2RA. It may not necessarily be applicable to this product.

NCBI GI #	4557667
NCBI GeneID	3559
NCBI Accession #	NP_000408.1
UniProt Primary Accession #	P01589
UniProt Secondary Accession #	Q5W007
UniProt Related Accession #	P01589
GenBank Nucleotide #	NM_000417.2
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
UniProt Protein Name	Interleukin-2 receptor subunit alpha
UniProt Synonym Protein Names	TAC antigen; p55
Protein Family	Interleukin-2 receptor
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
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
NCBI Summary for IL2RA	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 proteolyisis. Alternately-spliced IL2RA mRNAs have been isolated, but the significance of each is presently unknown. Mutations in this gene are associated with interleukin 2 receptor alpha deficiency.[provided by RefSeq, Nov 2009]
UniProt Comments for IL2RA	IL2RA: Receptor for interleukin-2. Non-covalent dimer of an alpha and a beta subunit. IL2R exists in 3 different forms: a high affinity dimer, an intermediate affinity monomer (beta subunit), and a low affinity monomer (alpha subunit). The high and intermediate affinity forms also associate with a gamma subunit. Protein type: Membrane protein, integral Chromosomal Location of Human Ortholog: 10p15-p14 Cellular Component: integral to membrane; plasma membrane; external side of plasma membrane Molecular Function: interleukin-2 receptor activity; drug binding; interleukin-2 binding Biological Process: Notch signaling pathway; regulation of T cell homeostatic proliferation; apoptosis; negative regulation of immune response; negative regulation of defense response to virus; positive regulation of activated T cell proliferation; cell proliferation; negative regulation of T cell proliferation; inflammatory response to antigenic stimulus; cell surface receptor linked signal transduction; positive regulation of T cell differentiation; negative regulation of inflammatory response; immune response; inflammatory response; activated T cell apoptosis Disease: Interleukin 2 Receptor, Alpha, Deficiency Of; Diabetes Mellitus, Insulin-dependent, 10
Research Articles on IL2RA	**1.** rs7072793 C > T genetic variation in CD25 genes may be genetic modifier for developing breast cancer in Chinese population
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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