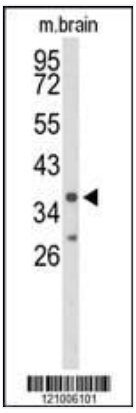
IL2RG Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	IL2RG, Polyclonal Antibody
Full Product Name	IL2RG, ID (IL2RG, Cytokine receptor common subunit gamma, Interleukin-2 receptor subunit gamma, gammaC, p64, CD132) (PE)
Product Gene Name	anti-IL2RG antibody
Product Synonym Names	IL2RG; Cytokine receptor common subunit gamma; Interleukin-2 receptor subunit gamma; gammaC; p64; CD132
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	369
OMIM	gene 312863
3D Structure	ModBase 3D Structure for P31785
Immunogen	IL2RG antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 207~237 amino acids from the Central region of human IL2RG.
Conjugate	PE
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-IL2RG antibody	Antibodies; CD Markers
Applications Tested/Suitable for anti-IL2RG antibody	Western Blot (WB), FLISA
Application Notes for anti-IL2RG antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-IL2RG antibody	IL2RG is an important signaling component of many interleukin receptors, including those of interleukin-2,-4,-7 and-21, and is thus referred to as the common gamma chain.
Product References and Citations for anti-IL2RG antibody	Ross, J.A., et al. J. Biol. Chem. 285(6):3582-3591(2010). Ameratunga, R., et al. N. Z. Med. J. 122(1304):46-53(2009). Clark, P.A., et al. Hum. Genet. 96(4):427-432(1995) Ohbo, K., et al. J. Biol. Chem. 270(13):7479-7486(1995) Bamborough, P., et al. Structure 2(9):839-851(1994).
Other Notes	Small volumes of anti-IL2RG 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.

Searchable Terms for IL2RG purchase	MBS6310211 is an antibody targeting IL2RG. Also known as IL2RG, ID (IL2RG, Cytokine receptor common subunit gamma, Interleukin-2 receptor subunit gamma, gammaC, p64, CD132) (PE). Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-IL2RG antibody
Western blot analysis of IL2RG Antibody (Center) in mouse brain tissue lysates (35ug/lane).
IL2RG (arrow) was detected using the purified Pab.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL2RG. It may not necessarily be applicable to this product.

NCBI GI #	400048
NCBI GeneID	3561
NCBI Accession #	P31785.1
UniProt Primary Accession #	P31785
UniProt Secondary Accession #	Q5FC12
UniProt Related Accession #	P31785
NCBI Official Full Name	Cytokine receptor common subunit gamma
NCBI Official Synonym Full Names	interleukin 2 receptor, gamma
NCBI Official Symbol	IL2RG
NCBI Official Synonym Symbols	P64; CIDX; IMD4; CD132; SCIDX; IL-2RG; SCIDX1
UniProt Protein Name	Cytokine receptor common subunit gamma
UniProt Synonym Protein Names	Interleukin-2 receptor subunit gamma; IL-2 receptor subunit gamma; IL-2R subunit gamma; IL-2RG; gammaC; p64; CD_antigen: CD132
Protein Family	Cytokine receptor
UniProt Gene Name	IL2RG
UniProt Synonym Gene Names	IL-2 receptor subunit gamma; IL-2R subunit gamma; IL-2RG
UniProt Entry Name	IL2RG_HUMAN
NCBI Protein Information	cytokine receptor common subunit gamma; gammaC; CD132 antigen; IL-2R subunit gamma; IL-2 receptor subunit gamma; common cytokine receptor gamma chain
NCBI Summary for IL2RG	The protein encoded by this gene is an important signaling component of many interleukin receptors, including those of interleukin -2, -4, -7 and -21, and is thus referred to as the common gamma chain. Mutations in this gene cause X-linked severe combined immunodeficiency (XSCID), as well as X-linked combined immunodeficiency (XCID), a less severe immunodeficiency disorder. [provided by RefSeq, Mar 2010]

UniProt Comments for IL2RG	IL2RG: Common subunit for the receptors for a variety of interleukins. Defects in IL2RG are the cause of severe combined immunodeficiency X-linked T-cell-negative/B-cell-positive/NK-cell- negative (XSCID); also known as agammaglobulinemia Swiss type. A form of severe combined immunodeficiency (SCID), a genetically and clinically heterogeneous group of rare congenital disorders characterized by impairment of both humoral and cell- mediated immunity, leukopenia, and low or absent antibody levels. Patients present in infancy recurrent, persistent infections by opportunistic organisms. The common characteristic of all types of SCID is absence of T-cell-mediated cellular immunity due to a defect in T-cell development. Defects in IL2RG are the cause of X-linked combined immunodeficiency (XCID). XCID is a less severe form of X-linked immunodeficiency with a less severe degree of deficiency in cellular and humoral immunity than that seen in XSCID. Belongs to the type I cytokine receptor family. Type 5 subfamily. Protein type: Membrane protein, integral; Receptor, cytokine Chromosomal Location of Human Ortholog: Xq13.1 Cellular Component: membrane; integral to plasma membrane; plasma membrane; external side of plasma membrane Molecular Function: protein binding; interleukin-4 receptor activity; interleukin-2 receptor activity; interleukin-7 binding; interleukin-7 receptor activity; interleukin-2 binding Biological Process: viral reproduction; immune response; signal transduction Disease: Combined Immunodeficiency, X-linked; Severe Combined Immunodeficiency, X-linked
Research Articles on IL2RG	**1.** this is the first report on a de novo mutation in the IL2RG gene in a patient born after IVF
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