

Rabbit anti-Mouse IL2RG Monoclonal Antibody | anti-IL2RG antibody

Recombinant Anti-IL2RG Antibody, Rabbit Monoclonal

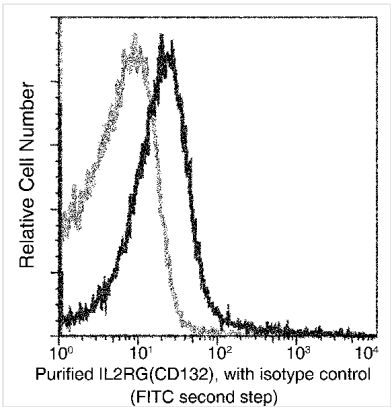
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA257084	Rabbit	Mouse	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

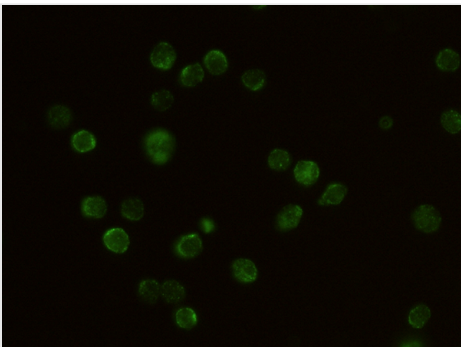
IL2RG; Monoclonal Antibody; Recombinant Anti-IL2RG Antibody; Rabbit Monoclonal; CD132/IL2RG Antibody; Rabbit MAb; interleukin 2 receptor; gamma; Anti-CD132 Antibody; Anti-gamma(c) Antibody; Anti-gc Antibody; Anti-[g]c Antibody; anti-IL2RG antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	011
Specificity	Mouse CD132/IL2RG
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-IL2RG antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), ELISA
Antibody Type	Recombinant Antibody
Immunogen	Recombinant Mouse CD132/IL2RG Protein
Conjugation	Unconjugated
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Mouse CD132/IL2RG (rM CD132/IL2RG).
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
Flow cytometric analysis of Mouse IL2RG(CD132) expression on BABL/c splenocytes. Cells were stained with purified anti-Mouse IL2RG(CD132), then a FITC-conjugated second step antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.



IF (Immunofluorescence)
Immunofluorescence staining of mouse IL2RG in mouse splenocytes. Cells were fixed with 4% PFA, blocked with 10% serum, and incubated with rabbit anti-mouse IL2RG monoclonal antibody (1:60) at 4 degree C overnight. Then cells were stained with the Alexa Fluor 488-conjugated Goat Anti-rabbit IgG secondary antibody (green).

ADDITIONAL INFORMATION

Related Product Information for anti-IL2RG antibody	The common gamma chain (gammac) (or CD132), also known as interleukin-2 receptor subunit gamma or IL2RG, is a member of the type I cytokine receptor family expressed on most lymphocyte (white blood cell) populations, and its gene is found on the X-chromosome of mammals. The common gamma chain (gammac) (or IL2RG), is a cytokine receptor subunit that is common to the receptor complexes for at least six different interleukin receptors: IL-2, IL-4, IL-7, IL-9, IL-15, and the interleukin-21 receptor. It is a component of multiple cytokine receptors that are essential for lymphocyte development and function. X-linked severe combined immunodeficiency (X-SCID) is a rare and potentially fatal disease caused by mutations of IL2RG, the gene encoding IL2RG. IL2RG was demonstrated to be a component of the IL-4 receptor based on chemical cross-linking data, the ability of IL2RG to augment IL-4 binding affinity. The observation that IL-2R gamma is a functional component of the IL-4 receptor, together with the finding that IL-2R gamma associates with the IL-7 receptor, begins to elucidate why a deficiency of this common gamma chain (gamma c) has a profound effect on lymphoid function and development, as seen in X-linked severe combined immunodeficiency.
Product Categories/Family for anti-IL2RG antibody	Common G-Chain signaling pathway
References	Russell SM, et al. (1993) Interleukin-2 receptor gamma chain: a functional component of the interleukin-4 receptor. Science. 262 (5141): 1880-3.Miyazaki T, et al. (1994) Functional activation of Jak1 and Jak3 by selective association with IL-2 receptor subunits. Science. 266 (5187): 1045-7.Takeshita T, et al. (1992) Cloning of the gamma chain of the human IL-2 receptor. Science. 257 (5068): 379-82.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7305181
NCBI GeneID	16186
NCBI Accession #	NP_038591.1
NCBI GenBank Nucleotide #	NM_013563.3
UniProt Accession #	P34902
Molecular Weight	42,241 Da
NCBI Official Full Name	cytokine receptor common subunit gamma
UniProt Protein Name	Cytokine receptor common subunit gamma
UniProt Gene Name	Il2rg

UniProt Synonym Gene Names	IL-2 receptor subunit gamma; IL-2R subunit gamma; IL-2RG
UniProt Entry Name	IL2RG_MOUSE

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/il2rg-antibody-clone-011-immunofluorescence-immunocytochemistry-flow-cytometry-elisa/257084>