



# Rabbit Anti-Mouse IL2RG monoclonal antibody, clone S122 (CABT-ZB809)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Specificity</b>	It reacts with Mouse IL2RG
<b>Target</b>	IL2RG
<b>Immunogen</b>	Recombinant Mouse CD132/IL2RG Protein
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Mouse
<b>Clone</b>	S122
<b>Purification</b>	Protein A purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA(cap), FC, ICC/IF We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB809 - CABT-ZB1101 This antibody will detect IL2RG in antibody pair set. [ABPR-ZB389]
<b>Preparation</b>	This antibody was obtained from a rabbit immunized with purified, recombinant Mouse CD132 / IL2RG.
<b>Format</b>	Purified, Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	50 µL, 100 µL, 1 mL

<b>Buffer</b>	PBS
<b>Preservative</b>	None
<b>Storage</b>	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
<b>Ship</b>	Wet ice

## BACKGROUND

<b>Introduction</b>	The common gamma chain (γc) (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 (γc) (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.
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<b>Keywords</b>	IL3; interleukin 3; BPA; PSF
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## GENE INFORMATION

<b>Synonyms</b>	IL3; interleukin 3; BPA; PSF; HCGF; IL-3; MCGF; Csfmu; interleukin-3; mast cell growth factor; P-cell-stimulating factor; hematopoietic growth factor; multipotential colony-stimulating factor
<b>Entrez Gene ID</b>	<a href="#">3562</a>
<b>UniProt ID</b>	<a href="#">P08700</a>