



# Mouse Anti-Human IL2RG monoclonal antibody, clone 49135 (CABT-L952M)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Mouse Anti-Human IL2RG monoclonal antibody, clone 49135 [Biofunctional Grade]
<b>Specificity</b>	Detects human Common gamma Chain/IL-2 R gamma in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant human (rh) IL-2 R alpha, rhIL-2 R beta, rhIL-1 RI, rhIL-1 RII, rhIL-4 R, rhIL-6 R, rhIL-7 R, or rhIL-10 R is observed.
<b>Immunogen</b>	S. frugiperda insect ovarian cell line Sf 21-derived recombinant human Common gamma Chain/IL-2 R gamma (23-254)
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	49135
<b>Purification</b>	Protein A or G purified from ascites
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	BL, Neut
<b>Reconstitution</b>	Reconstitute at 0.5 mg/mL in sterile PBS.
<b>Format</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose
<b>Size</b>	500 µg
<b>Buffer</b>	PBS with Trehalose Endotoxin Level: <0.10 EU per 1 µg of the antibody by the LAL method.

<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C.
<b>Ship</b>	Wet ice

## BACKGROUND

<b>Introduction</b>	The gamma chain of the high affinity functional human IL-2 receptor complex belongs to the hematopoietin receptor family. IL-2 R gamma is a 369 amino acid residue protein consisting of a 22 residue signal sequence, a 232 residue extracellular domain, a 29 residue transmembrane domain and an 86 residue cytoplasmic domain. Although IL-2 R gamma by itself does not bind IL-2 with any appreciable affinity, it is required for IL-2 receptor signaling. Besides IL-2, the gamma chain has been shown to be a component of the functional receptor complexes for IL-4, IL-7, IL-9 and IL-15. It has been proposed that IL-2 R gamma be designated the common gamma chain ( gamma c). The site of molecular defects in X-linked SCID (severe combined immunodeficiency) has now been mapped to the IL-2 R gamma gene.
<b>Keywords</b>	IL2RG;interleukin 2 receptor, gamma;P64;CIDX;IMD4;CD132;SCIDX;IL-2RG;SCIDX1;cytokine receptor common subunit gamma;gammaC;CD132 antigen;IL-2R subunit gamma;IL-2 receptor subunit gamma;common cytokine receptor gamma chain;

## GENE INFORMATION

<b>Official Symbol</b>	interleukin 2 receptor, gamma
<b>Synonyms</b>	IL2RG; interleukin 2 receptor, gamma; P64; CIDX; IMD4; CD132; SCIDX; IL-2RG; SCIDX1; cytokine receptor common subunit gamma; gammaC; CD132 antigen; IL-2R subunit gamma; IL-2 receptor subunit gamma; common cytokine receptor gamma chain;
<b>Entrez Gene ID</b>	<a href="#">#3561</a>