



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

Product Overview	Mouse Anti-Human IL2RG monoclonal antibody, clone 49135 [Biofunctional Grade]
Specificity	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.
Immunogen	S. frugiperda insect ovarian cell line Sf 21-derived recombinant human Common gamma Chain/IL-2 R gamma (23-254)
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	49135
Purification	Protein A or G purified from ascites
Conjugate	Unconjugated
Applications	BL, Neut
Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Format	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose
Size	500 µg
Buffer	PBS with Trehalose Endotoxin Level: <0.10 EU per 1 µg of the antibody by the LAL method.

Preservative	None
Storage	Store at -20°C.
Ship	Wet ice

BACKGROUND

Introduction	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.
Keywords	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

Official Symbol	interleukin 2 receptor, gamma
Synonyms	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;
Entrez Gene ID	#3561