

Product datasheet for **AM31260RP-N**

IL2 Mouse Monoclonal Antibody [Clone ID: B-G5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	B-G5
Applications:	FC
Recommended Dilution:	Flow Cytometry (Intra-cytoplasmic): Use 10 µl of antibody to label 5x10 ⁶ cells.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Natural Human IL2
Specificity:	Recognizes both natural and recombinant Human Interleukin-2 (IL-2).
Formulation:	PBS Label: PE State: Lyophilized purified IgG fraction Stabilizer: 5% BSA Preservative: 0.09% Sodium Azide
Reconstitution Method:	Restore with 1 ml deionized water.
Purification:	Ion Exchange Chromatography
Conjugation:	PE
Storage:	Store the antibody at 2-8°C after reconstitution. DO NOT FREEZE!
Stability:	Shelf life: six months from despatch.
Gene Name:	interleukin 2
Database Link:	Entrez Gene 3558 Human P60568



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Background:	Interleukin 2 (IL2) is a secreted cytokine that is important for the proliferation of T and B lymphocytes. The receptor of this cytokine is a heterotrimeric protein complex whose gamma chain is also shared by interleukin 4 (IL4) and interleukin 7 (IL7). The expression of this gene in mature thymocytes is monoallelic, which represents an unusual regulatory mode for controlling the precise expression of a single gene. The targeted disruption of a similar gene in mice leads to ulcerative colitis like disease, which suggests an essential role of this gene in the immune response to antigenic stimuli. IL2 has been shown to have antitumor effects in some studies. This is probably mediated by cytotoxic effector cells.
Synonyms:	IL-2, TCGF
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	Allograft rejection, Autoimmune thyroid disease, Cytokine-cytokine receptor interaction, Graft-versus-host disease, Jak-STAT signaling pathway, T cell receptor signaling pathway, Type I diabetes mellitus