

Product datasheet for **AM09172PU-N**

IL2 Mouse Monoclonal Antibody [Clone ID: 10C4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	10C4
Applications:	ELISA
Recommended Dilution:	ELISA: Clone 10C4 can match with clone 9F9 in ELISA to detect the recombinant Human IL-2 antigen.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant Human Interleukin-2 (IL2)
Specificity:	Reactive to the recombinant Human IL-2.
Formulation:	0.01M PBS, pH 7.2 without preservatives. State: Aff - Purified State: Lyophilized purified IgG fraction.
Reconstitution Method:	Restore with double distilled water is recommended to adjust the final concentration to 1.00 mg/ml
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G.
Conjugation:	Unconjugated
Storage:	Store the antibody at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year 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