

## Product datasheet for **AM09171PU-N**

### IL2 Mouse Monoclonal Antibody [Clone ID: 9F9]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	9F9
Applications:	ELISA
Recommended Dilution:	<b>ELISA:</b> Clone 9F9 can be used as Capture antibody to detect recombinant Human IL-2. This clone matches with HRP conjugated Clone 5A8, Clone 10C4 and Clone 6B1. When used reversely as Detection antibody, 9F9 also matches with 5A8, 10C5 and 6B1. However, Clone 9F9 produced better results when it is used as Capture antibody.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Recombinant Human Interleukin-2 (IL2)
Specificity:	Reactive to the recombinant Human IL2.
Formulation:	0.01M PBS, pH 7.2 State: Aff - Purified State: Lyophilized purified IgG fraction
Reconstitution Method:	Restore with double distilled water is recommended to adjust the final concentration to 1.0 mg/ml
Concentration:	1.0 mg/ml (after reconstitution)
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:	<a href="#">Entrez Gene 3558 Human P60568</a>



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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