

## Product datasheet for **AM05018PU-N**

### IL2 Rat Monoclonal Antibody [Clone ID: I2-C7]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	I2-C7
Applications:	FN
Recommended Dilution:	A 1:50 dilution will block 50 - 70% of CTLL proliferative response to 5% Con A sup as a source for mouse IL-2. This antibody will also block 50 - 70% of MLR or T cell proliferation to KLH
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	Mouse IL-2 purified from Con A activated T cell supernatant
Specificity:	This antibody reacts to IL-2. Does not cross react with rat or human IL-2.
Formulation:	PBS State: Azide Free State: Lyophilized purified Ig
Reconstitution Method:	Restore with 0.2ml water. Mix gently, wash the sides of the vial and wait 30-60 seconds before use.
Concentration:	lot specific
Purification:	Protein A/S-Sepharose
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at 2-8°C. Following reconstitution 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 16183 Mouse P04351</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