

## Product datasheet for **AM00961AF-N**

### IL2 Mouse Monoclonal Antibody [Clone ID: B025M]

#### Product data:

|                        |   |
|------------------------|---|
| Product Type:          | Primary Antibodies  |
| Clone Name:            | B025M   |
| Applications:          | ELISA, FN   |
| Recommended Dilution:  | A 1:50 dilution will block 60-70% of CTLL proliferative response to 50 units of recombinant human IL-2. This antibody will also block 70-80% of MLR.<br>ELISA: 1:5,000.                               |
| Reactivity:            | Human   |
| Host:                  | Mouse   |
| Isotype:               | IgG1  |
| Clonality:             | Monoclonal  |
| Immunogen:             | Recombinant Human IL-2  |
| Specificity:           | This antibody reacts to IL-2.   |
| Formulation:           | PBS<br>State: Azide Free<br>State: Lyophilized purified Ig  |
| Reconstitution Method: | Restore with 0.2ml of water. Mix gently, wash the sides of the vial and wait 30-60 seconds before use.  |
| Concentration:         | lot specific  |
| Purification:          | Protein A/S Sepharose chromatography  |
| Conjugation:           | Unconjugated  |
| Storage:               | Prior to reconstitution store at 2-8°C.<br>Following reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.<br>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