

Product datasheet for **SM2088R**

IL2 Rat Monoclonal Antibody [Clone ID: MQ1-17H12]

Product data:

| | |
|-----------------------|---|
| Product Type: | Primary Antibodies |
| Clone Name: | MQ1-17H12 |
| Applications: | FC |
| Recommended Dilution: | Flow Cytometry: Neat - 1/10; Use 10µl of the suggested working dilution to label 10e6 cells or 100µl whole blood; Membrane permeabilisation is required for this application. |
| Reactivity: | Human, Monkey |
| Host: | Rat |
| Isotype: | IgG2a |
| Clonality: | Monoclonal |
| Specificity: | This antibody recognises interleukin-2 and may be used to detect intracellular IL-2 in flow cytometric techniques. |
| Formulation: | PBS containing 0.09% Sodium Azide and 0.5% Bovine Serum Albumin Label: PE State: Liquid purified IgG Label: R. Phycoerythrin (RPE) |
| Conjugation: | PE |
| Storage: | Store the antibody undiluted at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light. |
| 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