

Product datasheet for **SM2088F**

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 10 µl of the suggested working dilution to label 10e6 cells in 100 µl. Membrane permeabilisation is required for this application.
Reactivity:	Human, Monkey
Host:	Rat
Isotype:	IgG2a
Clonality:	Monoclonal
Specificity:	This antibody recognises interleukin-2 (IL-2) and may be used to detect intracellular IL-2 in flow cytometric techniques.
Formulation:	PBS, pH 7.4, containing 0.09% Sodium Azide and 1% Bovine Serum Albumin Label: FITC State: Liquid purified IgG
Concentration:	lot specific
Purification:	Affinity chromatography on Protein G
Conjugation:	FITC
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Protect from light. 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