

Monoclonal Antibody to Interleukin-2 / IL2 - FITC

Alternate names:	IL-2, T-cell growth factor, TCGF
Catalog No.:	SM100F
Quantity:	0.1 mg
Concentration:	0.1 mg/ml
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.
Uniprot ID:	P04351
NCBI:	NP_032392.1
GeneID:	16183
Host / Isotype:	Rat / IgG2b
Clone:	JES6-5H4
Immunogen:	Recombinant Mouse IL-2. Spleen cells from immunised BALB/c mice were fused with cells of the mouse P3.X63 Ag8.653 myeloma cell line.
Format:	State: Liquid purified IgG Purification: Affinity chromatography on Protein G Buffer System: PBS containing 0.09% Sodium Azide and 1% Bovine Serum Albumin Label: FITC – Fluorescein Isothiocyanate Isomer 1
Applications:	Flow Cytometry: neat - 1/10; use 10 µl of the suggested working dilution to label 10e6 cells in 100µl; Membrane permeabilisation is required for this application. in 100µl Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises natural and recombinant IL-2. This antibody may be used to detect intracellular IL-2 in flow cytometric applications. Species: Mouse. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. This product is photosensitive and should be protected from light. Shelf life: one year from despatch.

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com