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IL-2 Monoclonal Antibody (JES6-5H4), PE

Catalog Number **A18693**

Product data sheet

Details	
Size	25 µg
Host/Isotope	Rat / IgG2b, kappa
Class	Monoclonal
Type	Antibody
Clone	JES6-5H4
Immunogen	mouse IL-2
Conjugate	PE
Form	Liquid
Concentration	0.2 mg/mL
Storage Conditions	4° C

Species Reactivity	
Species reactivity	Mouse
Published species	Mouse

Tested Applications	Dilution *
Flow Cytometry (Flow)	Assay-dependent

Published Applications	
Miscellaneous PubMed (Misc)	See 1 publications below

* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.

Background/Target Information

Interleukin 2 (IL-2) is an immuno-modulatory cytokine that is important for the proliferation of activated T cells, differentiation of B cells, natural killer cells, monocytes and macrophages. IL-2 signals through the IL-2 receptor (IL-2R), a heterotrimeric protein complex whose gamma chain is also shared by interleukin 4 (IL-4) and interleukin 7 (IL-7). The expression of the IL-2 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 gene similar to IL-2 in mice leads to an ulcerative colitis-like disease that suggests an essential role of this gene in the immune response to antigenic stimuli.

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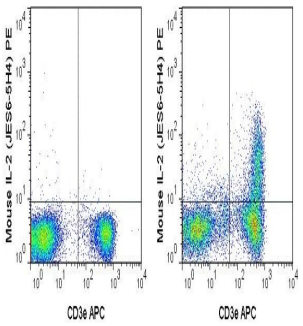
Product Images For IL-2 Monoclonal Antibody (JES6-5H4), PE



IL-2 Antibody (A18693) in Flow

C57Bl/6 splenocytes were stimulated with PMA and Ionomycin (right panel) or unstimulated (left panel) and then stained with APC Anti-Mouse CD3e (A18605), followed by intracellular staining with 0.06 µg PE Anti-Mouse IL-2 (A18693).

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PubMed References For IL-2 Monoclonal Antibody (JES6-5H4), PE

1 Miscellaneous PubMed References

Species / Dilution	Summary
	A18693 was used in flow cytometry to report that IL-4R/Stat6 signaling controls the final frequency of Th2 lymphocytes, but is not essential for Th2 cell development.
Mouse / Not Cited	Journal of immunology (Baltimore, Md. : 1950) (2000; 164: 3047) **"Single cell analysis reveals that IL-4 receptor/Stat6 signaling is not required for the in vivo or in vitro development of CD4+ lymphocytes with a Th2 cytokine profile."** Author(s):Jankovic D,Kullberg MC,Noben-Trauth N,Caspar P,Paul WE,Sher A PubMed Article URL:http://dx.doi.org/10.4049/jimmunol.164.6.3047

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