

APC Anti-Mouse IL-2 (JES6-5H4) Antibody
Catalog # ATB10054**Specification****APC Anti-Mouse IL-2 (JES6-5H4) Antibody - Product Information**

Application	FC
Isotype	Rat IgG2b, kappa
Concentration	0.2 mg/mL
Reactivity	Mouse
Formulation	10 mM NaH ₂ PO ₄ , 150 mM NaCl, 0.09% Na ₂ S ₂ O ₃ , 0.1% gelatin, pH7.2
Host	Rat

APC Anti-Mouse IL-2 (JES6-5H4) Antibody - Additional Information

Gene ID	16183
Gene Name	IL2
Alternative Name(s)	
Interleukin-2	

Format

APC

Preparation

This monoclonal antibody was purified from tissue culture supernatant via affinity chromatography. The purified antibody was conjugated under optimal conditions, with unreacted dye removed from the preparation. It is recommended to store the product undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.

Application Notes

This antibody preparation has been quality-tested for flow cytometry using mouse spleen cells, or an appropriate cell type (where indicated). The amount of antibody required for optimal staining of a cell sample should be determined empirically in your system.

Storage Conditions

2-8°C protected from light

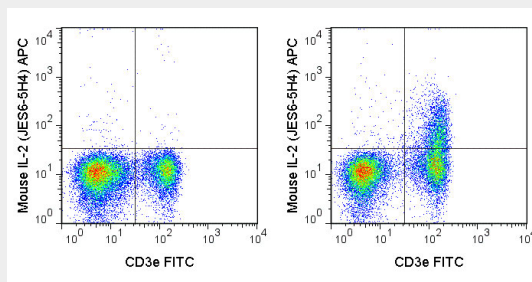
APC Anti-Mouse IL-2 (JES6-5H4) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)

- [Cell Culture](#)

APC Anti-Mouse IL-2 (JES6-5H4) Antibody - Images



C57Bl/6 splenocytes were stimulated with PMA and Ionomycin (right panel) or unstimulated (left panel) and then stained with FITC Anti-Mouse CD3e (35-0031), followed by intracellular staining with 0.06 ug APC Anti-Mouse IL-2 (ATB10054).

APC Anti-Mouse IL-2 (JES6-5H4) Antibody - Background

The JES6-5H4 antibody binds to mouse Interleukin-2 (IL-2), a 17 kDa cytokine that is secreted by activated T cells. This cytokine acts as an autocrine stimulatory factor for T cell proliferation, differentiation and survival, as well as being an effective activator of B cells and inducer of NK cell cytotoxic functions. IL-2 plays a key modulatory role in the differentiation of T cells toward either Th17 or T regulatory (Treg) cell types and is important for Treg cell function. The IL-2 receptor (IL-2R) is a complex consisting of an IL-2R alpha chain (CD25), along with the IL-2R beta chain (CD122) and the common gamma chain (CD132). IL-2 may also bind with low affinity to the T cell surface protein CD25 alone, although this interaction does not induce cell signaling. The JES6-5H4 antibody is extensively used for intracellular detection of IL-2 by flow cytometry, for detection of soluble cytokine in ELISA, and as a neutralizing reagent in vitro and in vivo.