

## FITC Anti-Mouse IL-10 Antibody[JES5-16E3]

Catalog Number: E-AB-F1197UC

Note: Centrifuge before opening to ensure complete recovery of vial contents.

### Description

<b>Reactivity</b>	Mouse
<b>Host</b>	Rat
<b>Isotype</b>	Rat IgG2b, $\kappa$
<b>Clone No.</b>	JES5-16E3
<b>Isotype Control</b>	FITC Rat IgG2b, $\kappa$ Isotype Control[LTF-2] [Product E-AB-F09843C]
<b>Conjugation</b>	FITC
<b>Conjugation Information</b>	FITC is designed to be excited by the Blue laser (488 nm) and detected using an optical filter centered near 530 nm (e.g., a 525/40 nm bandpass filter).
<b>Storage Buffer</b>	Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide and 1% BSA.

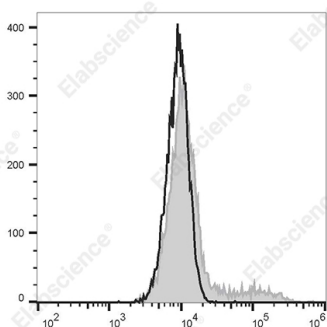
### Applications

### Recommended usage

#### FCM

Each lot of this antibody is quality control tested by flow cytometric analysis. Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each investigator should titrate the reagent to obtain optimal results [The recommended concentration is 0.1-1  $\mu\text{g}/10^6$  cells in 100  $\mu\text{L}$  volume].

### Data



HEK293T cells transiently transfected with pcDNA3.1 plasmid encoding Mouse IL-10 gene are stained with FITC Anti-Mouse IL-10 Antibody[JES5-16E3] (filled gray histogram) or FITC Rat IgG2b,  $\kappa$  Isotype Control (empty black histogram).

### Preparation & Storage

<b>Storage</b>	Keep as concentrated solution. This product can be stored at 2-8°C for 12 months. Please protected from prolonged exposure to light and do not freeze.
<b>Shipping</b>	Ice bag

### Antigen Information

<b>Alternate Names</b>	CSIF;Cytokine synthesis inhibitory factor;IL-10;Interleukin-10
<b>Uniprot ID</b>	P18893
<b>Gene ID</b>	16153

### For Research Use Only

## Background

IL-10 was originally described as Cytokine Synthesis Inhibitory Factor (CSIF) by virtue of its ability to inhibit cytokine production by Th1 clones. IL-10 shares over 80% sequence homology with the Epstein-Barr virus protein BCRF1. IL-10 inhibits IFN- $\gamma$ , TNF- $\beta$ , and IL-2 production by Th1 clones; inhibits macrophage-mediated IL-1, IL-6, and TNF- $\alpha$  synthesis; suppresses the delayed type hypersensitivity response; stimulates Th2 cell response (which results in elevated antibody production); and promotes mast cell proliferation in combination with IL-4.