

Elab Fluor® 700 Anti-Mouse IL-10 Antibody[JES5-16E3]

Catalog Number: E-AB-F1197UM1

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

Description

Reactivity	Mouse
Host	Rat
Isotype	Rat IgG2b, κ
Clone No.	JES5-16E3
Isotype Control	Elab Fluor® 700 Rat IgG2b, κ Isotype Control[LTF-2] [Product E-AB-F09843M1]
Conjugation	Elab Fluor® 700
Conjugation Information	Elab Fluor® 700 is designed to be excited by the Red laser (627-640 nm) and detected using an optical filter centered near 719 nm (e.g., a 725/40 nm bandpass filter).
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide and 1% BSA.

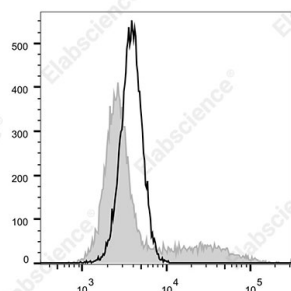
Applications

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 μL volume].

Data



Intracellular staining of the 293T cells transfected with pcDNA3.1 plasmid encoding Mouse IL-10 gene with Elab

Fluor® 700 Anti-Mouse IL-10 Antibody[JES5-16E3](filled gray histogram) or Elab Fluor® 700 Rat IgG2b, κ Isotype Control(empty black histogram). Total viable cells were used for analysis.

Preparation & Storage

Storage	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.
Shipping	Ice bag

Antigen Information

Alternate Names	CSIF;Cytokine synthesis inhibitory factor;IL-10;Interleukin-10
Uniprot ID	P18893

For Research Use Only

Gene ID

16153

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- γ , TNF- β , and IL-2 production by Th1 clones; inhibits macrophage-mediated IL-1, IL-6, and TNF- α 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.