

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

Catalog Number: E-AB-F1197E

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

### Description

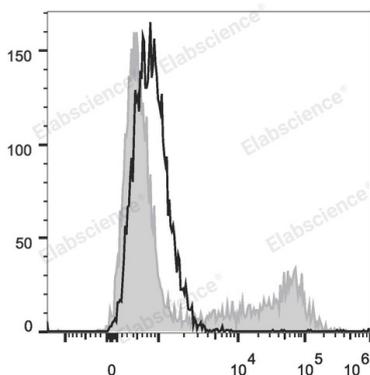
|                                |  |
|--------------------------------|--|
| <b>Reactivity</b>              | Mouse  |
| <b>Host</b>                    | Rat  |
| <b>Isotype</b>                 | Rat IgG2b, $\kappa$  |
| <b>Clone No.</b>               | JES5-16E3  |
| <b>Isotype Control</b>         | APC Rat IgG2b, $\kappa$ Isotype Control[LTF-2] [Product E-AB-F09842E]  |
| <b>Conjugation</b>             | APC  |
| <b>Conjugation Information</b> | APC is designed to be excited by the Red (627-640 nm) laser and detected using an optical filter centered near 660 nm (e.g., a 660/20 nm bandpass filter). |
| <b>Storage Buffer</b>          | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.  |

### Applications

### Recommended usage

|            |  |
|------------|--|
| <b>FCM</b> | Each lot of this antibody is quality control tested by flow cytometric analysis. <b>The amount of the reagent is suggested to be used 5 <math>\mu</math>L of antibody per test (million cells in 100 <math>\mu</math>L staining volume or per 100 <math>\mu</math>L of whole blood).</b> Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. |
|------------|--|

### Data



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

### Preparation & Storage

|                 |   |
|-----------------|---|
| <b>Storage</b>  | Keep as concentrated solution.<br>This product can be stored at 2-8°C for 24 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.