# FITC Anti-Mouse IL-17A Antibody[17F3]

**Catalog Number:** E-AB-F1272UC

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

## Description

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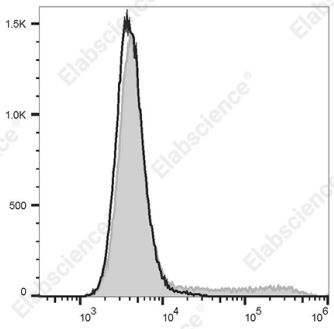
|---|---|
| **Reactivity** | Mouse |
| **Host** | Mouse |
| **Isotype** | Mouse IgG1, κ |
| **Clone No.** | 17F3 |
| **Isotype Control** | FITC Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09793C] |
| **Conjugation** | FITC |
| **Conjugation Information** | FITC is designed to be excited by the Blue laser (488 nm) and detected using an optical filter centered near 530 nm (e.g., a 525/40 nm bandpass filter). |
| **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 μg/$10^6$ cells in 100 μL volume]. |

## Data




HEK293T cells transiently transfected with pcDNA3.1 plasmid encoding Mouse IL-17A gene are stained with FITC Anti-Mouse IL-17A Antibody[17F3] (filled gray histogram) or FITC Mouse IgG1, κ Isotype Control (empty black histogram).

## Preparation & Storage

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| **Storage** | Keep as concentrated solution.<br>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

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|---|---|
| **Alternate Names** | Ctla8;Il17a;Interleukin-17A |
| **Uniprot ID** | Q62386 |
| **Gene ID** | 16171 |

**For Research Use Only**

**Background**

The 17F3 monoclonal antibody reacts with mouse IL-17A a 15-20 kDa cytokine expressed by Th17 cells, γδ T cells, iNKT cells, NK cells, LTi cells, neutrophils, and intestinal Paneth cells. IL-17A has pleiotropic effects in immunoregulation and inflammation. It plays an important role in anti-microbial and chronic inflammation by inducing cytokine and chemokine production, neutrophil influx, and the production of antibacterial peptides but it is also an inflammatory mediator in the development of autoimmune diseases including rheumatoid arthritis, asthma, multiple sclerosis, and psoriasis. The 17F3 antibody has been shown to neutralize IL-36A in vivo.