

Elab Fluor® Violet 450 Anti-Mouse IL-17A Antibody[17F3]

Catalog Number: E-AB-F1272UQ

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

Description

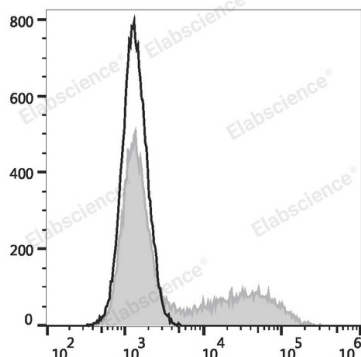
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|--------------------------------|--|
| Reactivity | Mouse |
| Host | Mouse |
| Isotype | Mouse IgG1, κ |
| Clone No. | 17F3 |
| Isotype Control | Elab Fluor® Violet 450 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09793Q] |
| Conjugation | Elab Fluor® Violet 450 |
| Conjugation Information | Elab Fluor® Violet 450 is designed to be excited by the violet laser (405 nm) and detected using an optical filter centered near 450 nm (e.g., a 450/45 nm bandpass filter). |
| Storage Buffer | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer. |

Applications

Recommended usage

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| 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]. |
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Data



HEK293T cells transiently transfected with pcDNA3.1 plasmid encoding Mouse IL-17A gene are stained with Elab Fluor® Violet 450 Anti-Mouse IL-17A Antibody (filled gray histogram) or Elab Fluor® Violet 450 Mouse IgG1, κ Isotype Control (empty black histogram).

Preparation & Storage

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

For Research Use Only

Gene ID

16171

Background

The 17F3 monoclonal antibody reacts with mouse IL-17A a 15-20 kDa cytokine expressed by Th17 cells, $\gamma\delta$ 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-17A in vivo.