

**Elab Fluor® 647 Anti-Mouse IL-17A Antibody[TC11-18H10.1]**

|                    |  |                     |       |
|--------------------|--|---------------------|-------|
| <b>Catalog No.</b> | E-AB-F1199M                                | <b>Reactivity</b>   | Mouse |
| <b>Storage</b>     | Store at 2~8°C, Avoid freeze / thaw cycles | <b>Applications</b> | ICFCM |

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

**Antigen Information**

|                        |   |
|------------------------|---|
| <b>Alternate Names</b> | Interleukin-17A,IL-17,IL-17A,Cytotoxic T-lymphocyte-associated antigen 8,CTLA-8,CTLA8   |
| <b>Uniprot ID</b>      | Q62386  |
| <b>Background</b>      | IL-17, also known as CTLA-8, is a T cell-expressed pleiotropic cytokine that exhibits a high degree of homology to a protein encoded by the ORF13 gene of herpes virus Saimiri. IL-17 is produced by Th cells (Th17) that are distinct from the traditional Th1- and Th2-cell subsets. IL-23 plays an important role in triggering IL-17 production. Both recombinant and natural IL-17 have been shown to exist as disulfide linked homodimers. IL-17 exhibits multiple biological activities on a variety of cells including: the induction of IL-6 and IL-8 production in fibroblasts, activation of NF-κB, and costimulation of T cell proliferation. IL-17 is an essential inflammatory mediator in the development of autoimmune diseases. Neutralization of IL-17 with monoclonal antibody is able to ameliorate the disease course. |

**Product Details**

|                                |  |
|--------------------------------|--|
| <b>Form</b>                    | Liquid   |
| <b>Size</b>                    | 50Tests/100Tests/100Tests×2  |
| <b>Clone No.</b>               | TC11-18H10.1   |
| <b>Host</b>                    | Rat  |
| <b>Isotype</b>                 | Rat IgG1, κ  |
| <b>Reactivity</b>              | Mouse  |
| <b>Application</b>             | ICFCM  |
| <b>Isotype Control</b>         | <a href="#">Elab Fluor® 647 Rat IgG1, κ Isotype Control[HRPN] [Product E-AB-F09822M]</a>   |
| <b>Storage Buffer</b>          | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.  |
| <b>Shipping</b>                | Biological ice pack at 4 °C  |
| <b>Stability &amp; Storage</b> | Keep as concentrated solution.<br>Store at 2~8°C and protected from prolonged exposure to light.Do not freeze.<br>This product is guaranteed up to one year from purchase. |

**For Research Use Only**

## Fluorophore

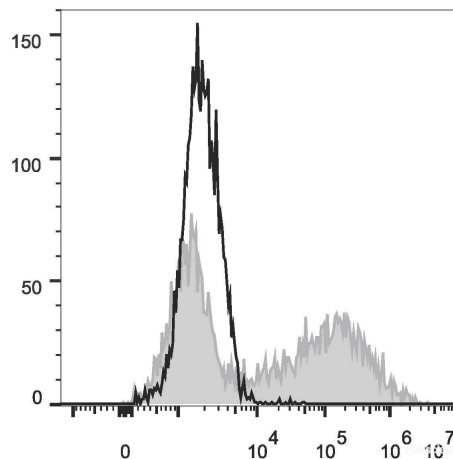
**Conjugation:** Elab Fluor® 647

Elab Fluor® 647 is designed to be excited by the Red laser (627-640 nm) and detected using an optical filter centered near 670 nm (e.g., a 660/20 nm bandpass filter).

## Recommended usage

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

## Product data



HEK293T cells transiently transfected with pcDNA3.1 plasmid encoding Mouse IL-17A gene are stained with Elab Fluor® 647 Anti-Mouse IL-17A Antibody (filled gray histogram) or Elab Fluor® 647 Rat IgG1, κ Isotype Control (empty black histogram).

## Related Information

1. Sample Preparation for Flow Cytometry <https://www.elabscience.com/List-detail-5594.html>
2. Staining Intracellular Antigens for Flow Cytometry <https://www.elabscience.com/List-detail-5570.html>
3. Flow Cytometry Troubleshooting Tips <https://www.elabscience.com/List-detail-5593.html>
4. How to select the appropriate detection channel through the spectrogram? <https://www.elabscience.com/List-detail-459742.html>

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