

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

Catalog Number: E-AB-F1199M

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

### Description

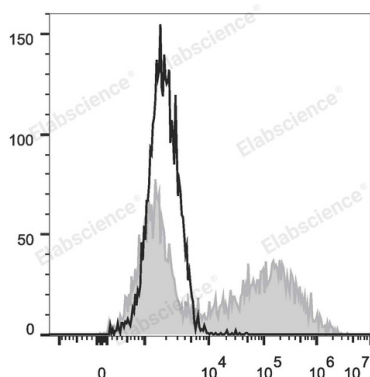
|                                |  |
|--------------------------------|--|
| <b>Reactivity</b>              | Mouse  |
| <b>Host</b>                    | Rat  |
| <b>Isotype</b>                 | Rat IgG1, $\kappa$   |
| <b>Clone No.</b>               | TC11-18H10.1   |
| <b>Isotype Control</b>         | Elab Fluor® 647 Rat IgG1, $\kappa$ Isotype Control[HRPN] [Product E-AB-F09822M]  |
| <b>Conjugation</b>             | Elab Fluor® 647  |
| <b>Conjugation Information</b> | 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). |
| <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-17A gene are stained with Elab

Fluor® 647 Anti-Mouse IL-17A Antibody (filled gray histogram) or Elab Fluor® 647 Rat IgG1,  $\kappa$  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> | CTLA-8;CTLA8;Cytotoxic T-lymphocyte-associated antigen 8;IL-17;IL-17A;Interleukin-17A |
| <b>Uniprot ID</b>      | Q62386  |

### For Research Use Only

**Gene ID**

16171

**Background**

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- $\kappa$ B, 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.