

## Elab Fluor® 700 Anti-Human/Mouse IL-5 Antibody[TRFK5]

Catalog Number: E-AB-F1205M1

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

### Description

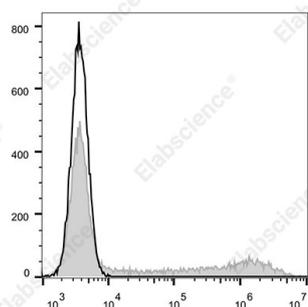
Reactivity	Human;Mouse
Host	Rat
Isotype	Rat IgG1, $\kappa$
Clone No.	TRFK5
Isotype Control	Elab Fluor® 700 Rat IgG1, $\kappa$ Isotype Control[HRPN] [Product E-AB-F09822M1]
Conjugation	Elab Fluor® 700
Conjugation Information	Elab Fluor® 700 is designed to be excited by the Red laser (627-640 nm) and detected using an optical filter centered near 719 nm (e.g., a 725/40 nm bandpass filter).
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

### Applications

### Recommended usage

FCM	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.
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### Data



Intracellular staining of the 293T cells transfected with pcDNA3.1 plasmid encoding Human/Mouse IL-5 gene with Elab Fluor® 700 Anti-Human/Mouse IL-5 Antibody[TRFK5] (filled gray histogram) or Elab Fluor® 700 Rat IgG1,  $\kappa$  Isotype Control(empty black histogram). Total viable cells were used for analysis.

### Preparation & Storage

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

Alternate Names	B-cell differentiation factor I;IL-5;Interleukin-5;T-cell replacing factor;TRF
Uniprot ID	P05113;P04401

### For Research Use Only

**Gene ID**

16191;3567

**Background**

IL-5 is a homodimeric, disulphide-linked protein produced by T-cells. Monomeric human IL-5 is a 126 amino acid protein with a reported molecular weight of 26 kD for the homodimeric protein. Mouse and human IL-5 are approximately 70% identical. IL-5 has been shown to promote the growth of immature hematopoietic BFU-E progenitors, stimulate the activation and differentiation of eosinophils, and promote the generation of cytotoxic lymphocytes. Mouse IL-5 induces the differentiation and proliferation of pre-activated B-cells and stimulates the production and secretion of IgM and IgA by B-cells stimulated with bacterial endotoxin. The TRFK5 antibody can neutralize the bioactivity of natural or recombinant IL-5.