

## PE/Elab Fluor® 594 Anti-Mouse/Rat Foxp3 Antibody[FJK-16s]

Catalog Number: E-AB-F1351P

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

### Description

<b>Reactivity</b>	Mouse;Rat
<b>Host</b>	Rat
<b>Isotype</b>	Rat IgG2a, κ
<b>Clone No.</b>	FJK-16s
<b>Isotype Control</b>	PE/Elab Fluor® 594 Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09832P]
<b>Conjugation</b>	PE/Elab Fluor® 594
<b>Conjugation Information</b>	PE/Elab Fluor® 594 is designed to be excited by the blue (488 nm), Green (532 nm) and yellow-green (561 nm) lasers and detected using an optical filter centered near 620 nm (e.g., a 610/20 nm bandpass filter).
<b>Storage Buffer</b>	Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide and 1% BSA.

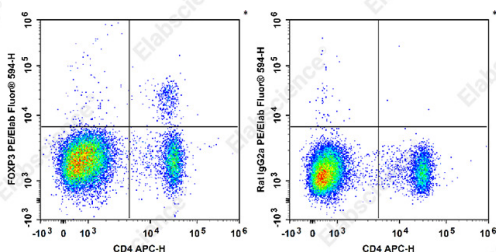
### Applications

### Recommended usage

FCM

Each lot of this antibody is quality control tested by flow cytometric analysis. **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.

### Data



C57BL/6 murine splenocytes are stained with APC Anti-Mouse CD4 Antibody and PE/Elab Fluor® 594 Anti-Mouse/Rat FOXP3 Antibody[FJK-16s] (Left). Splenocytes are stained with APC Anti-Mouse CD4 Antibody and PE/Elab Fluor® 594 Rat IgG2a, κ Isotype Control (Right).

### Preparation & Storage

<b>Storage</b>	Keep as concentrated solution. This product can be stored at 2-8°C for 12 months. Please protected from prolonged exposure to light and do not freeze.
<b>Shipping</b>	Ice bag

### Antigen Information

<b>Alternate Names</b>	Forkhead box protein P3;Scurfin;JM2;IPEX;Zinc finger protein JM2
<b>Uniprot ID</b>	Q99JB6

### For Research Use Only

**Gene ID**

20371

**Background**

FOXP3 is a 47 kD transcription factor, also known as Forkhead box protein P3, Scurfin, JM2, or IPEX. It is proposed to be a master regulatory gene and more specific marker of T regulatory cells than most cell surface markers (such as CD4 and CD25). Transduced expression of FOXP3 in CD4<sup>+</sup>/CD25<sup>-</sup> cells has been shown to induce GITR, CD103, and CTLA4 and impart a T regulatory cell phenotype. FOXP3 is mutated in X-linked autoimmunity-allergic dysregulation syndrome (XLAAD or IPEX) in humans and in "scurfy" mice. Overexpression of FOXP3 has been shown to lead to a hypoactive immune state suggesting that this transcriptional factor is a central regulator of T cell activity.