

## PE/Cyanine5 Anti-Mouse/Rat Foxp3 Antibody[FJK-16s]

<b>Catalog No.</b>	E-AB-F1351G	<b>Reactivity</b>	Mouse, Rat
<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>	Forkhead box protein P3, Scurfin, JM2, IPEX, Zinc finger protein JM2
<b>Uniprot ID</b>	Q99JB6
<b>Gene ID</b>	20371
<b>Background</b>	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.

### Product Details

<b>Form</b>	Liquid
<b>Size</b>	50Tests/100Tests/100Tests×2
<b>Clone No.</b>	FJK-16s
<b>Host</b>	Rat
<b>Isotype</b>	Rat IgG2a, κ
<b>Reactivity</b>	Mouse, Rat
<b>Application</b>	ICFCM
<b>Isotype Control</b>	<a href="#">PE/Cyanine5 Rat IgG2a, κ Isotype Control[2A3]</a> [ <a href="#">Product E-AB-F09832G</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. Store at 2~8°C and protected from prolonged exposure to light. Do not freeze. This product is guaranteed up to one year from purchase.

### For Research Use Only

## Fluorophore

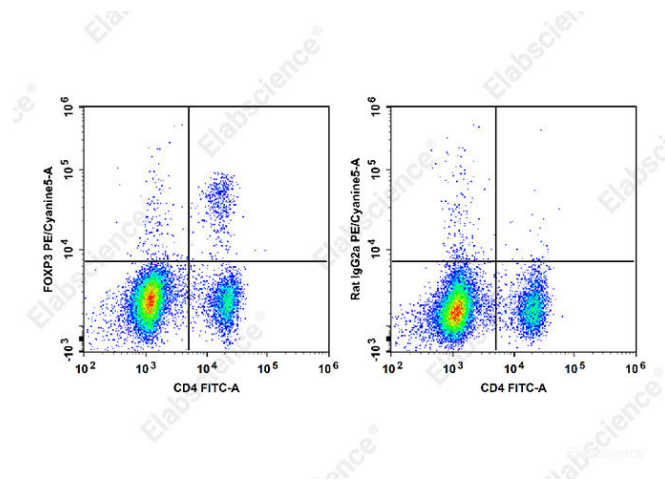
**Conjugation:** PE/Cyanine5

PE/Cyanine5 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 670 nm (e.g., a 690/50 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



C57BL/6 murine splenocytes are stained with FITC Anti-Mouse CD4 Antibody and PE/Cyanine5 Anti-Mouse/Rat Foxp3 Antibody[FJK-16s] (Left). Splenocytes are stained with FITC Anti-Mouse CD4 Antibody and PE/Cyanine5 Rat IgG2a, κ Isotype Control (Right).

## 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>