

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

|                    |  |                     |            |
|--------------------|--|---------------------|------------|
| <b>Catalog No.</b> | E-AB-F1351C                                | <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="#">FITC Rat IgG2a, κ Isotype Control[2A3]</a> [ <a href="#">Product E-AB-F09832C</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

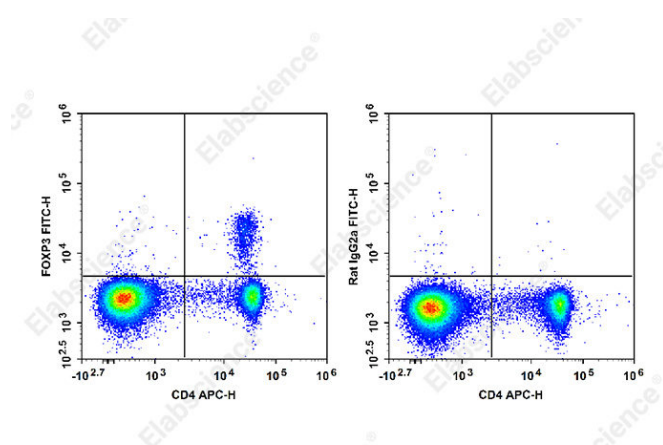
### Conjugation: FITC

FITC is designed to be excited by the Blue laser (488 nm) and detected using an optical filter centered near 530 nm (e.g., a 525/40 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  $\mu$ L of antibody per test (million cells in 100  $\mu$ L staining volume or per 100  $\mu$ L 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 APC Anti-Mouse CD4 Antibody and FITC Anti-Mouse/Rat Foxp3 Antibody[FJK-16s] (Left). Splenocytes are stained with APC Anti-Mouse CD4 Antibody and FITC Rat IgG2a,  $\kappa$  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>