

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

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|--------------------|--|---------------------|------------|
| Catalog No. | E-AB-F1351UG | Reactivity | Mouse, Rat |
| Storage | Store at 2~8°C, Avoid freeze / thaw cycles | Applications | ICFCM |

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

Antigen Information

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|------------------------|---|
| Alternate Names | Forkhead box protein P3, Scurfin, JM2, IPEX, Zinc finger protein JM2 |
| Uniprot ID | Q99JB6 |
| 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 ⁺ /CD25 ⁻ 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

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|--------------------------------|---|
| Form | Liquid |
| Concentration | 0.2 mg/mL |
| Size | 25µg/100µg |
| Clone No. | FJK-16s |
| Host | Rat |
| Isotype | Rat IgG2a, κ |
| Reactivity | Mouse, Rat |
| Application | ICFCM |
| Isotype Control | PE/Cyanine5 Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09833G] |
| Storage Buffer | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant. |
| Shipping | Biological ice pack at 4 °C |
| Stability & Storage | 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

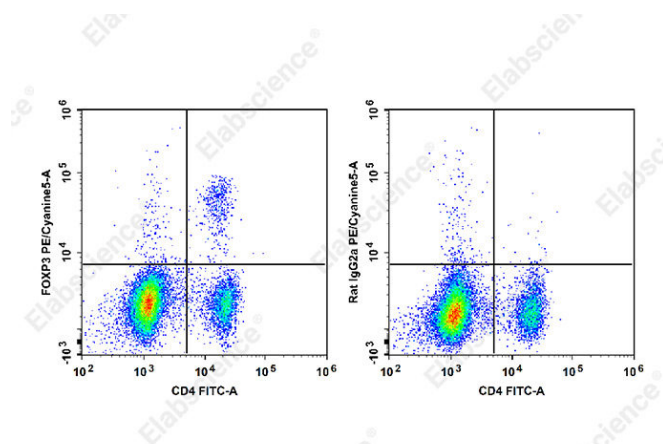
Conjugation: PE/Cyanine5

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. Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each investigator should titrate the reagent to obtain optimal results [The recommended concentration is 0.1-1 $\mu\text{g}/10^6$ cells in 100 μL volume].

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>