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

Catalog No. E-AB-F1351UC 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

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

Form Liquid Concentration 0.5 mg/mL Size $25\mu g/100\mu g$ Clone No. FJK-16s Host Rat

Isotype Rat IgG2a, κ Mouse, Rat Reactivity **Application ICFCM**

Isotype Control FITC Rat IgG2a, K Isotype Control[2A3] [Product E-AB-F09833C]

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

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Fluorophore

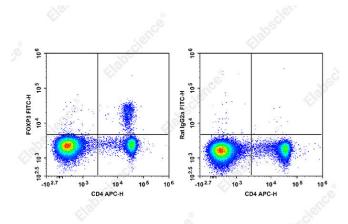
Conjugation: FITC

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. 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 $0.1-1~\mu g/10^6$ cells in $100~\mu L$ volume].

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, 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

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