

## PerCP/Cyanine5.5 Anti-Mouse/Rat Foxp3 Antibody[FJK-16s]

Catalog Number: GFH1351J

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

### Description

|                         |                                                                                                                                                                      |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse;Rat                                                                                                                                                            |
| Host                    | Rat                                                                                                                                                                  |
| Isotype                 | Rat IgG2a, κ                                                                                                                                                         |
| Clone No.               | FJK-16s                                                                                                                                                              |
| Isotype Control         | PerCP/Cyanine5.5 Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09832J]                                                                                            |
| Conjugation             | PerCP/Cyanine 5.5                                                                                                                                                    |
| Conjugation Information | PerCP/Cyanine5.5 is designed to be excited by the blue laser (488 nm) and detected using an optical filter centered near 675 nm (e.g., a 690/50 nm bandpass filter). |
| Storage Buffer          | Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide.                                                                                                  |

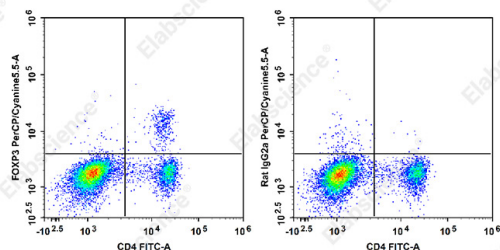
### Applications

### 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 FITC Anti-Mouse CD4 Antibody and PerCP/Cyanine5.5 Anti-Mouse/Rat FOXP3 Antibody[FJK-16s] (Left). Splenocytes are stained with FITC Anti-Mouse CD4 Antibody and PerCP/Cyanine5.5 Rat IgG2a, κ Isotype Control (Right).

### Preparation & Storage

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

### Antigen Information

|                 |                                                               |
|-----------------|---------------------------------------------------------------|
| Alternate Names | IPEXJM2ScurfinZinc finger protein JM2;Forkhead box protein P3 |
| Uniprot ID      | Q99JB6                                                        |
| Gene ID         | 20371                                                         |

### For Research Use Only

## 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.