

DESCRIPTION

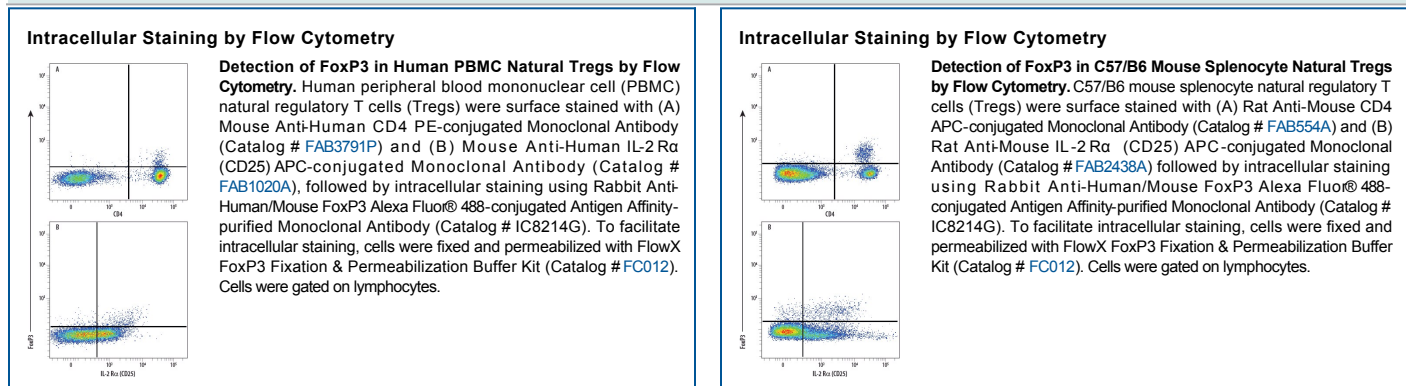
| | |
|---------------------------|--|
| Species Reactivity | Human/Mouse |
| Specificity | Detects human and mouse FoxP3 in flow cytometry. |
| Source | Monoclonal Rabbit IgG Clone # 1054C |
| Purification | Protein A or G purified from cell culture supernatant |
| Immunogen | <i>E. coli</i> -derived recombinant human FoxP3 Met1-Leu71 Accession # Q9BZS1 |
| Conjugate | Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm |
| Formulation | Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions. |

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

| | Recommended Concentration | Sample |
|---|----------------------------|-----------|
| Intracellular Staining by Flow Cytometry | 5 µL/10 ⁶ cells | See Below |

DATA



PREPARATION AND STORAGE

- Shipping** The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
- Stability & Storage** **Protect from light. Do not freeze.**
- 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

Human FoxP3 is a 47 kDa member of the P subclass of the FOX (forkhead box) family of transcription factors. It contains a Leu-rich repeat, a C2H2 zinc finger region, and a C-terminal FKX (fork head), DNA-binding domain. Three isoforms for FoxP3 have been reported. All three isoforms share the sequence used as the immunogen. FoxP3 directly associates with NFAT and NFκB, suppressing their activity in CD4⁺ T cells. In human, FoxP3 is found in CD4⁺, CD8⁺ and CD4⁺CD25⁺ T cells. Over the region used for immunization of the amino acid sequence, mouse FoxP3 is 83% to 88% identical to rat, human, canine, and bovine FoxP3.

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