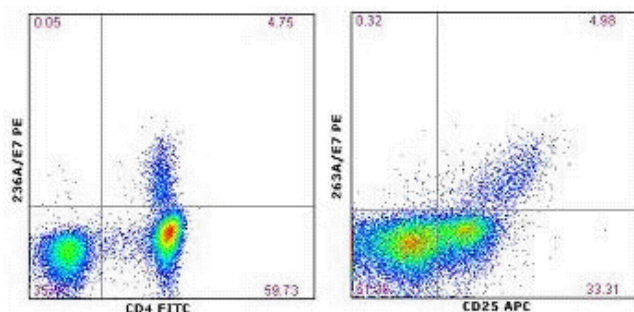


## Anti-Human Foxp3 PE

**Catalog Number:** 12-4777

**Also Known As:** Forkhead Box P3, Scurfin, JM2

**RUO: For Research Use Only. Not for use in diagnostic procedures.**



Staining of normal human peripheral blood cells with Anti-Human CD4 FITC (cat. 11-0049) (left) and Anti-Human CD25 APC (cat. 17-0259) (right) followed by fixation and permeabilization using the Foxp3 Staining Buffer Set (cat. 00-5523) and intracellular staining with Mouse IgG1 K Isotype Control PE (cat. 12-4714) or Anti-Human Foxp3 PE. Cells in the lymphocyte gate were used for analysis.

### Product Information

**Contents:** Anti-Human Foxp3 PE

 **Catalog Number:** 12-4777

**Clone:** 236A/E7

**Concentration:** 5  $\mu$ L (0.25  $\mu$ g)/test

**Host/Isotype:** Mouse IgG1, kappa

**Formulation:** aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer



**Temperature Limitation:** Store at 2-8°C. Do not freeze. Light sensitive material.



**Batch Code:** Refer to Vial



**Use By:** Refer to Vial



**Contains sodium azide**

### Description

The 236A/E7 antibody reacts with human foxp3 protein also known as FORKHEAD BOX P3, SCURFIN, and JM2; cross reactivity of this antibody to other proteins has not been determined. Foxp3, a 49-55 kDa protein, is a member of the forkhead/winged-helix family of transcriptional regulators, and was identified as the gene defective in 'scurfy' (sf) mice. Constitutive high expression of Foxp3 mRNA has been shown in CD4+CD25+ regulatory T cells (Treg cells), and ectopic expression of foxp3 in CD4+CD25- cells imparts a Treg phenotype in these cells.

Intracellular staining and flow cytometric analysis of freshly isolated human peripheral blood mononuclear cells (PBMCs) with the 236A/E7 antibody using the Foxp3 Staining Buffer Set (cat. 00-5523) and protocol reveals staining of the CD4+CD25<sup>bright</sup> population.

The epitope from 236A/E7 is different from that of PCH101 (cat. 72-5776).

### Applications Reported

This 236A/E7 antibody has been reported for use in intracellular staining followed by flow cytometric analysis and IHC.

### Applications Tested

This 236A/E7 antibody has been pre-titrated and tested by intracellular staining and flow cytometric analysis of normal human peripheral blood mononuclear cells using the Foxp3/Transcription Factor Buffer Set (cat. 00-5523) and protocol. Please see Best Protocols Section (Staining Intracellular Antigens for Flow Cytometry) for staining protocol (refer to Protocol B: One-step protocol for intracellular (nuclear) proteins). This can be used at 5  $\mu$ L (.25  $\mu$ g) per test. A test is defined as the amount ( $\mu$ g) of antibody that will stain a cell sample in a final volume of 100  $\mu$ L. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test.

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#### **Related Products**

00-5521 Foxp3 Fixation/Permeabilization Concentrate and Diluent

00-5523 Foxp3 / Transcription Factor Staining Buffer Set

11-0049 Anti-Human CD4 FITC (RPA-T4)

12-4714 Mouse IgG1 K Isotype Control PE (P3.6.2.8.1)

17-0259 Anti-Human CD25 APC (BC96)

72-5774 Anti-Human Foxp3 Staining Set PE (236A/E7 Set)

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