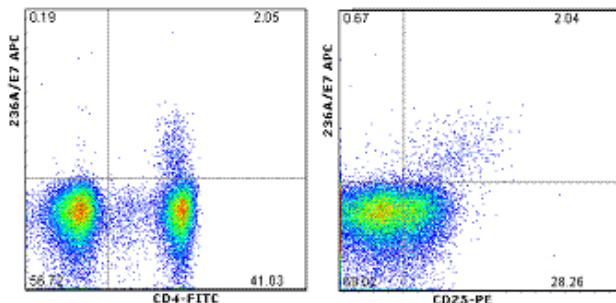


Anti-Human Foxp3 APC

Catalog Number: 17-4777

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 PE (cat. 12-0259) (right), followed by intracellular staining with Anti-Human Foxp3 APC, using Foxp3 Staining Buffers (cat. 00-5523).

Product Information

Contents: Anti-Human Foxp3 APC

REF **Catalog Number:** 17-4777

Clone: 236A/E7

Concentration: Suffix -71 20 μ L (0.125 μ g)/test; Suffix -42, 5 μ L (0.125 μ 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.

LOT **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^{bright} 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.

Applications Tested

This 236A/E7 antibody has been pre-titrated and tested by intracellular staining and flow cytometric analysis using the Foxp3 Buffer Set (cat. 00-5523) and protocol. Please see Best Protocols for Staining Protocol (refer to Protocol B: One-step protocol for intracellular (nuclear) proteins). Refer to catalog number suffix on the vial for amount to use per test: 71 is 20 μ L (0.125 μ g) per test; whereas 42 is 5 μ L (0.125 μ g) per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test.

References

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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)

12-0259 Anti-Human CD25 PE (BC96)

17-4714 Mouse IgG1 K Isotype Control APC (P3.6.2.8.1)

77-5774 Anti-Human Foxp3 Staining Set APC (236A/E7 Set)

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