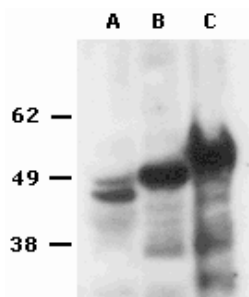


Anti-Human/Mouse Foxp3 Purified

Catalog Number: 14-7979

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

RUO: For Research Use Only



Immunoblotting of PBMC (Lane A), BALB/c splenocyte (Lane B), or recombinant human Foxp3 fusion protein (Lane C). Lysates were directly sonicated in Laemmli sample buffer and 10^6 cells/lane were loaded. Blots were probed with 1 μ g/ml Anti-Human/Mouse Foxp3 Purified and revealed with Anti-Mouse IgG HRP. Foxp3 is detected at ~50 kDa with a reported splice variant in human tissue slightly lower.

Product Information

Contents: Anti-Human/Mouse Foxp3 Purified

 Catalog Number: 14-7979

Clone: eBio7979

Concentration: 0.5 mg/ml

Host/Isotype: Mouse IgG1

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



Temperature Limitation: Store at 2-8°C.



Batch Code: Refer to Vial



Use By: Refer to Vial



Caution, contains Azide

Description

eBioscience offers a panel of monoclonal antibodies to different epitopes of human and mouse Foxp3, providing useful tools for investigating the complete expression pattern of Foxp3 at the protein level, and discerning the precise subsets of Foxp3+ cells. Other antibodies to human Foxp3 include PCH101 (cat. 72-5776) and 236A/E7 (cat. 12-4777). Additional antibodies to mouse Foxp3 include FJK-16s (cat. 72-5775) and NRRF-30 (cat. 12-4771).

The eBio7979 antibody reacts with human and mouse 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.

Please see the following link for FAQ regarding the usage of eBioscience Foxp3 reagents:

<http://www.ebioscience.com/ebioscience/Foxp3FAQs.htm>

Applications Reported

This eBio7979 antibody has been reported for use in immunoblotting (WB).

Applications Tested

This eBio7979 antibody has been tested by immunoblotting of normal human peripheral blood mononuclear cell lysates at 1-2 μ g/ml.

References

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Takahata Y, Nomura A, Takada H, Ohga S, Furuno K, Hikino S, Nakayama H, Sakaguchi S, Hara T. 2004. CD25+CD4+ T cells in human cord blood: an immunoregulatory subset with naive phenotype and specific expression of forkhead box p3 (Foxp3) gene. *Exp Hematol.* 32(7):622-9.

Xystrakis E, Dejean AS, Bernard I, Druet P, Liblau R, Gonzalez-Dunia D, Saoudi A. 2004. Identification of a novel natural regulatory CD8 T-cell subset and analysis of its mechanism of regulation. *Blood.* 104(10):3294-301.

Manavalan JS, Kim-Schulze S, Scotto L, Naiyer AJ, Vlad G, Colombo PC, Marboe C, Mancini D, Cortesini R, Suciu-Foca N. 2004. Alloantigen specific CD8+CD28- FOXP3+ T suppressor cells induce ILT3+ ILT4+ tolerogenic endothelial cells, inhibiting alloreactivity. *Int Immunol.* 16(8):1055-68.

Related Products

00-5523 Foxp3 Staining Buffer Set

14-4714 Mouse IgG1 K Isotype Control Purified

72-5775 Anti-Mouse/Rat Foxp3 Staining Set PE (FJK-16s)

72-5776 Anti-Human Foxp3 Staining Set PE (PCH101 Set)

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