
Anti-Mouse Foxp3 Purified

Catalog Number: 14-4771

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

RUO: For Research Use Only

Product Information

Contents: Anti-Mouse Foxp3 Purified

 **Catalog Number:** 14-4771

Clone: NRRF-30

Concentration: 0.5 mg/mL

Host/Isotype: Rat IgG2a, kappa

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

The NRRF-30 antibody reacts with mouse Foxp3 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.

Immunoblotting with NRRF-30 antibody has mapped the epitope to amino acids 1-75 of the mouse Foxp3 protein.

Intracellular staining of mouse splenocytes with fluorochrome-conjugated NRRF-30 using the eBioscience Foxp3 Staining Buffers (cat. 00-5523) and corresponding staining protocol reveals approximately 3% of total cells in the C57Bl/6 strain and approximately 5% in the BALB/c mouse strain. Multicolor flow cytometric analysis demonstrates approximately 90% of the CD4+/CD25+ cells and 4% of the CD4+/CD25- cells staining with NRRF-30. Co-staining with FJK-16s (anti-mouse/rat Foxp3 cat. 71-5775), which has been mapped to amino acids 71-125, and NRRF-30 shows 100% correlation, indicating that the same cells are stained with both anti-mouse Foxp3 antibodies.

Please see our FAQ regarding the usage of eBioscience Foxp3 reagents.

Applications Reported

This NRRF-30 antibody has been reported for use in immunoblotting (WB), and immunohistology staining of frozen tissue sections.

Applications Tested

This NRRF-30 antibody has been used at 2 µg/ml for the western blot analysis of Foxp3 expression in mouse splenocyte total cell lysates.

References

O'Gorman WE, Dooms H, Thorne SH, Kuswanto WF, Simonds EF, Krutzik PO, Nolan GP, Abbas AK. The initial phase of an immune response functions to activate regulatory T cells. J Immunol. 2009 Jul 1;183(1):332-9. (NRRF-30 IC flow, PubMed)

Related Products

12-5773 Anti-Mouse/Rat Foxp3 PE (FJK-16s)

12-7979 Anti-Human/Mouse Foxp3 PE (Discontinued - please refer to alternative clone FJK-16s cat. 12-5773 or PCH101 cat. 12-4776) (eBio7979)

14-4321 Rat IgG2a K Isotype Control Purified

Not for further distribution without written consent.

Copyright © 2000-2010 eBioscience, Inc.

Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • www.eBioscience.com • info@eBioscience.com