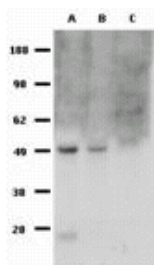# Anti-Mouse/Rat Foxp3 Purified

Catalog Number: 14-5773
Also Known As: Forkhead Box P3, Scurfin, JM2, Treg
RUO: For Research Use Only

Immunoblotting of BALB/c spleen (Lane A), BALB/c thymus (Lane B), or BALB/c bone marrow (Lane C) lysate with 2 μg/mL of Anti-Mouse/Rat Foxp3 Purified and revealed with Anti-Rat IgG HRP . Foxp3 is detected at ~50 kDa.

Product Information

Contents: Anti-Mouse/Rat Foxp3 Purified
REF Catalog Number: 14-5773
Clone: FJK-16s
Concentration: 0.5 mg/ml
Host/Isotype: Rat IgG2a, κ

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Temperature Limitation: Store at 2-8°C.
LOT Batch Code: Refer to Vial
Use By: Refer to Vial
⚠ Caution, contains Azide

Description

The FJK-16s antibody reacts with mouse, rat, dog, porcine, bovine and cat 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 FJK-16s antibody has mapped the epitope to amino acids 75-125 of the mouse Foxp3 protein. In the human, this region has been shown to be alternatively spliced at the mRNA level. Both the alternatively-spliced and non-spliced isoforms are present in the CD4+CD25+ subset of lymphocytes. Preliminary RT-PCR experiments have not revealed this alternatively-spliced isoform in mouse splenocytes, suggesting different gene regulation in the mouse and human.

Applications Reported

This FJK-16s antibody has been reported for use in immunoblotting (WB) and immunohistological staining of frozen and paraffin embedded tissue sections. For additional information, please see http://www.ebioscience.com/ebioscience/Foxp3FAQs.htm.

Applications Tested

This FJK-16s antibody has been tested by immunoblotting (WB) (1-5μg/ml) of mouse splenocytes.

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