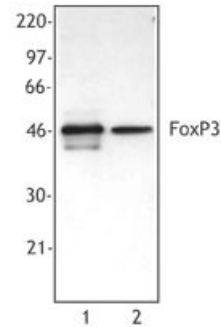


Purified anti-mouse/rat/human FOXP3

Catalog # / 2200010 / 100 µg
Size: 2200005 / 25 µg
Clone: 150D
Isotype: Mouse IgG1, κ
Immunogen: Full-length FOXP3 protein
Reactivity: Rat
Preparation: The antibody was purified by affinity chromatography.
Formulation: This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Concentration: 0.5



Cell extract from HEK293T cells transfected with either human FoxP3 cDNA (Lane 1), mouse FoxP3 cDNA (Lane 2) was resolved by electrophoresis, transferred to nitrocellulose, and probed with monoclonal anti-FoxP3 antibody (clone 150D). Proteins were visuali

Applications:

Applications: Other
Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent intracellular staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤ 0.5 microg per 10⁶ cells in 100 microL volume. For Western blotting, the suggested working dilution(s) is ≤ 5.0 microg/ml in antibody dilution buffer. It is recommended that the reagent be titrated for optimal performance for each application.
Application Notes: **NOTE:** For flow cytometric staining with this clone, True-Nuclear™ Transcription Factor Buffer Set (Cat. No. [424401](#)) offers improved staining and is highly recommended.

Application**References:**

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Description:

FOXP3 is a 50-55 kD transcription factor, also known as Forkhead box protein P3, Scurfin, JM2, or IPEX. It is proposed to be a master regulatory gene and more specific marker of T regulatory cells than most cell surface markers (such as CD4 and CD25). Transduced expression of FOXP3 in CD4⁺/CD25⁻ cells has been shown to induce GITR, CD103, and CTLA4 and impart a T regulatory cell phenotype. FOXP3 is mutated in X-linked autoimmunity-allergic dysregulation syndrome (XLAAD or IPEX) in humans and in "scurfy" mice. Overexpression of FOXP3 has been shown to lead to a hypoactive immune state suggesting that this transcriptional factor is a central regulator of T cell activity. In human, unlike in mouse, two isoforms of FOXP3 have been reported: one (FOXP3) corresponding to the canonical full-length sequence; the other (FOXP3 δ 2) lacking exon 2. The 150D monoclonal antibody reacts with human, mouse and rat FOXP3. The 150D antibody recognizes FOXP3 epitope encoded by exon 2.

**Antigen
References:**

1. Hori S, et al. 2003. *Science* 299:1057.