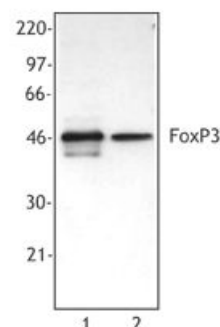


Purified anti-mouse/rat/human FOXP3

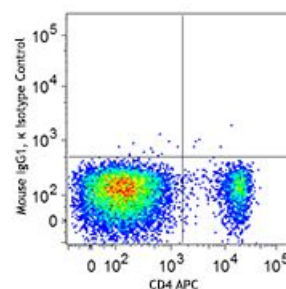
Catalog # /	2200010 / 100 µg
Size:	2200005 / 25 µg
Clone:	150D
Isotype:	Mouse IgG1, κ
Immunogen:	Full-length FOXP3 protein
Reactivity:	Human, Mouse, Non-human primate, Other, Rat
Preparation:	The antibody was purified by affinity chromatography.
Formulation:	This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Workshop Number:	HCDM listed
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 visualized using a goat anti-mouse secondary conjugated to HRP and a chemiluminescence detection system.

Applications:

Applications:	Other, Intracellular Staining for Flow Cytometry
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 $\leq 0.5 \mu\text{g}$ per 10^6 cells in 100 µl volume. For Western blotting, the suggested working dilution(s) is $\leq 5.0 \mu\text{g/ml}$ 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 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 62) 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
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