

Product Data Sheet

Purified anti-FOXP3

Catalog # / Size: 623801 / 50 µl (5 Western Blots)
 623802 / 200 µl (20 Western Blots)

Clone: Poly6238

Isotype: Rabbit IgG

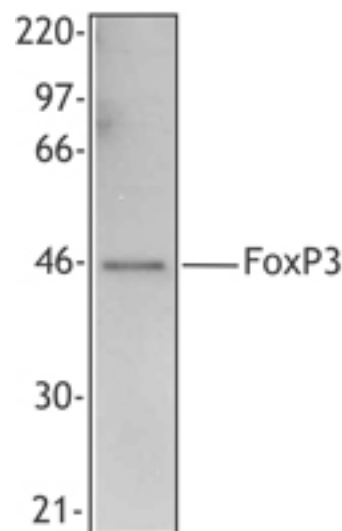
Immunogen: Peptide-KLH

Reactivity: Human, Mouse

Preparation: The antibody was purified by antigen affinity chromatography.

Formulation: This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 50% glycerol.

Storage: Upon receipt, store undiluted at -20° C.



Western blot analysis of extracts from HEK293T cells transfected with human FoxP3 cDNA, using anti-FoxP3, Poly6238.

Applications:

Applications: WB - *Quality tested*
 IHC - *Reported in the literature*

Recommended Usage: Each lot of this antibody is quality control tested by Western blotting. Western blotting, suggested working dilution(s): Use 10 µl antibody per 5 ml antibody dilution buffer for each mini-gel. If primary CD4⁺CD25⁺ cells are used, it is recommended that 0.5-1 x 10⁶ cell equivalents be loaded per lane. For immunohistochemical staining of paraffin-embedded sections, the suggested use of this reagent is 1:20 dilution. It is recommended that the reagent be titrated for optimal performance for each application.

Application References:

1. Sato E, *et al.* 2005. *P. Natl. Acad. Sci. USA* 102:18538. (IHC) PubMed
2. Mayack SR and Berg LJ. 2006. *J. Immunol.* 176:2059. (WB)
3. Gasper-Smith N, *et al.* 2006. *J. Immunol.* 177:4670. (WB)
4. Zanin-Zhorov A, *et al.* 2006. *J Clin Invest.* 116:2022. JCI

Description: The forkhead/winged helix transcription factor FOXP3 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. The Poly6238 antibody recognizes both human and mouse FOXP3 and has been shown to be useful for Western blotting.

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

Related Products:

Product	Clone	Application
PE anti-mouse CD4	GK1.5	FC
PE anti-mouse CD25	PC61	FC
PE anti-mouse CD4	RM4-5	FC
PE anti-human CD25	BC96	FC
PE anti-human CD4	RPA-T4	FC
PE anti-human CD357 (GITR)	621	FC
HRP Donkey anti-rabbit IgG (minimal x-reactivity)	Poly4064	ELISA, IHC, WB
Human FoxP3 Transfected Cell Lysate	lysate6299	WB



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