

## Anti-Forkhead box protein P3 FOXP3 Antibody FITC Conjugated

Catalog Number: RP1032-FITC

### About FOXP3

FOXP3 (forkhead box P3) is a protein involved in immune system responses. The human FOXP3 genes contain 11 coding exons. Exon-intron boundaries are identical across the coding regions of the mouse and human genes. By genomic sequence analysis, the FOXP3 gene maps to the p arm of the X chromosome (specifically, Xp11.23). A member of the FOX protein family, FOXP3 appears to function as a master regulator in the development and function of regulatory T cells. While the precise control mechanism has not yet been established, FOX proteins belong to the forkhead/winged-helix family of transcriptional regulators and are presumed to exert control via similar DNA binding interactions during transcription.

### Overview

Product Name	Anti-Forkhead box protein P3 FOXP3 Antibody FITC Conjugated
Reactive Species	Human
Application	Recommended applications are based on the parent unconjugated antibody (IHC). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	Q9BZS1

### Technical Details

Immunogen	E.coli-derived human FOXP3 recombinant protein (Position: H101-P431). Human FOXP3 shares 88% amino acid (aa) sequence identity with mouse FOXP3.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	FITC Excitation Wavelength: 495 nm Emission Wavelength: 525 nm

Suggested Dilutions

Optimal dilutions should be determined by end users.

## 11 Publications Citing This Product

1. PubMed ID: 27698748, IL-35 improves Treg-mediated immune suppression in atherosclerotic mice
2. PubMed ID: 24573301, Xu D, Yu H, Yu Q, Wu S, Liu D, Lin Y, Zhang Y, Zheng C. Mol Med Rep. 2014 May;9(5):1947-51. Doi: 10.3892/Mmr.2014.1986. Epub 2014 Feb 25. Salvia Miltiorrhiza Increases The Expression Of Transcription Factor Foxp3 In Experimental Murine Colitis.
3. PubMed ID: 24289115, LncRNA DQ786243 affects Treg related CREB and Foxp3 expression in Crohn's disease

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