

Anti-Forkhead box protein P3 FOXP3 Antibody APC Conjugated

Catalog Number: RP1032-APC

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 APC Conjugated
Reactive Species	Human
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ .
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	APC Excitation Wavelength: 633-647 nm Emission Wavelength: 660 nm

Suggested Dilutions

Flow Cytometry, 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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