

Basic Information

Product Name	Anti-FOXP3 Antibody (Clone#OTI8G3)
Gene Name	FOXP3
Source	Mouse
Isotype	IgG1
Species Reactivity	human, mouse, rat
Tested Application	WB, FCM
Contents	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Immunogen	Full length human recombinant protein of human FOXP3 (NP_001107849) produced in E.coli.
concentration	500 ug/ml
Purification	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Observed MW	43.2KD
Dilution Ratios	Western blot (WB): 1:2000 Flow cytometry (FCM):1:100

Storage

Stable for 12 months from date of receipt. Store at -20°C as received.

Background Information

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.

Selected Validation Data

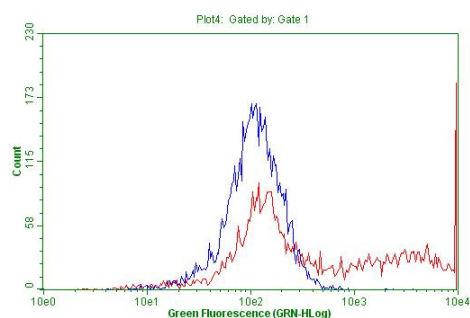


Figure 1. Permeabilized HEK293T cells transfected with either overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-FOXP3 antibody, and then analyzed by flow cytometry (1:100).