

Catalog Number:	NB600-246SS
Background:	<p>FOXP3 (a 381 amino acid protein) is a member of the forkhead/winged-helix family of transcriptional regulators and is highly conserved across mammals. FOXP3 is essential for normal immune homeostasis.</p> <p>FOXP3 is stably and constitutively expressed at a high level in CD25 + CD4 positive regulatory T cells, a low level in CD4-positive/CD25-negative cells, and is absent in CD4-negative/CD8-positive T cells. FOXP3 may be a master regulatory gene and a more specific marker of regulatory T cells than other T cells.</p>
Alternate Names:	anti-AIID antibody, anti-DIETER antibody, anti-Forkhead box P3 antibody, anti-foxp3 antibody, anti-IPEX antibody, anti-JM2 antibody, anti-PIDX antibody, anti-SCURFIN antibody, anti-XPID antibody
Research Areas:	356,362,0
Immunogen:	A synthetic peptide made to the N-terminal region of human FOXP3 (between residues 1-50).
Specificity:	This antibody is specific for FOXP3.
Species Reactivity:	This antibody reacts with murine FOXP3 protein. It does react with human protein but very weakly. For human reactivity, see NB 600-245. Other species have not been tested.
Uses:	<p>By Western blot, this antibody recognizes bands at ~47.2 kDa representing FOXP3. This antibody only detects transfected samples. It has not been shown to work on endogenous samples via western blot. This antibody has not been tested in any other application.</p> <p>Suggested working dilution: * Western blot: 1:1,000-1:5,000(ECL)</p> <p>*The investigator should determine the optimal working dilution for a specific application.</p> <p>* Other applications have not been tested.</p>
Dilutions:	<p>Suggested working dilutions * Western Blot * Investigator should determine optimal working dilutions.</p>
Packaging:	0.025 ml Rabbit antisera.
Concentration:	1 mg/ml
Storage:	Store at 4C. Do not freeze.
Notes:	Blocking peptide is available or can be made for this item. Lead time is 2 days to 4 weeks. Price is \$ 150/0.1 ml (or 50 ug). Please enquire availability (cat# NB 600-246PEP).
Novus Specific References:	1. Lim, H.W., et al. Cutting edge: direct suppression of B cells by CD4+CD25+ regulatory

T cells. J. Immunol. 175:4180-4183, 2005.

General References:

1. Polanczyk MJ, et al. Cutting edge: estrogen drives expansion of the CD4+CD25+ regulatory T cell compartment. J Immunol. 173(4):2227-30 (2004)
2. Ochs, HD, et al. FOXP3 acts as a rheostat of the immune response. Immunol Rev. 203:156-64 (2005)

Gene Id: 50943

Reference Sequence: Q9BZS1

Image(s)