

# Product Datasheet

## FoxP3 Antibody (3G3) - BSA Free NB100-56582

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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**NB100-56582**

FoxP3 Antibody (3G3) - BSA Free

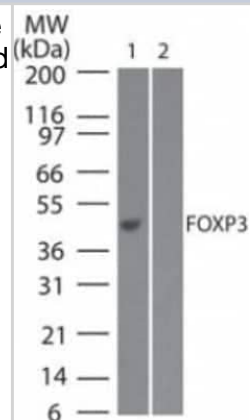
Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	3G3
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein G purified
Buffer	PBS
Target Molecular Weight	47 kDa

Product Description	
Host	Mouse
Gene ID	50943
Gene Symbol	FOXP3
Species	Human, Mouse
Immunogen	Full-length His-tagged murine FOXP3 was used as the immunogen. The precise epitope is not known, but it has been mapped to the N-terminal portion of the protein (NP_001107849).

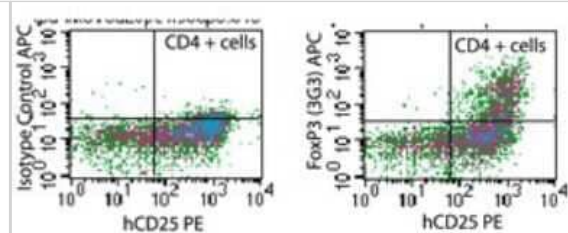
Product Application Details	
Applications	Western Blot, Flow Cytometry
Recommended Dilutions	Western Blot 2 - 5 ug/mL, Flow Cytometry 100 ng/ 10 <sup>6</sup> cells in 50 uL
Application Notes	The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.

**Images**

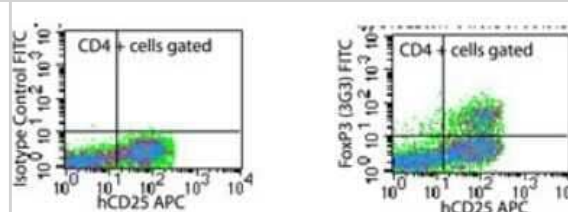
Western Blot: FoxP3 Antibody (3G3) [NB100-56582] - Analysis using the azide free version of NB100-56582. Detection of 1) full-length transfected and 2) mock transfected 293 cell lysate at 2 ug/mL.



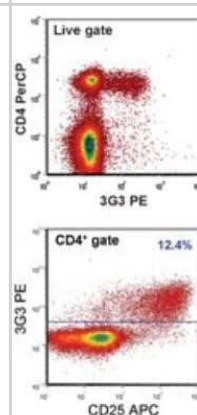
Flow Cytometry: FoxP3 Antibody (3G3) [NB100-56582] - Analysis using the Allophycocyanin conjugate of NB100-56582. Staining of FOXP3 in human PBMCs stimulated with anti-hCD3 and rhIL-2 for 48 hours using isotype control (left) and this antibody. 1 ug/10<sup>6</sup> cells. Products used: anti-CD4 FITC conjugate.



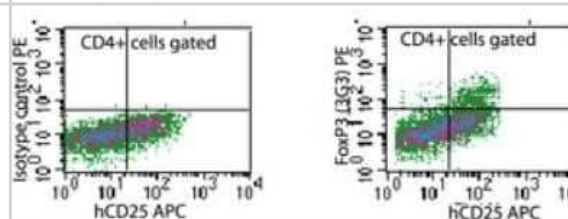
Flow Cytometry: FoxP3 Antibody (3G3) [NB100-56582] - Analysis using the FITC conjugate of NB100-56582. Staining of FOXP3 in human PBMCs stimulated with anti-hCD3 and rhIL-2 for 48 hours using isotype control (left) and this antibody, 5 ug/10<sup>6</sup> cells. Products used: anti-CD4 PE conjugate, anti-CD25 APC conjugate, anti-FOXP3 FITC conjugate.



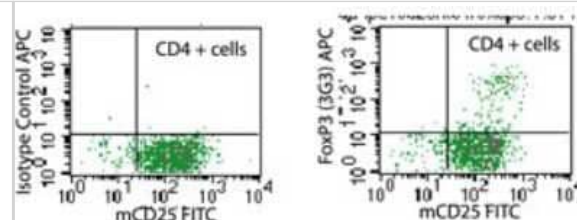
Flow Cytometry: FoxP3 Antibody (3G3) [NB100-56582] - Analysis using the azide free version of NB100-56582. Staining of 2 x 10<sup>6</sup> mouse lymph node cells using 0.1 ug of PE conjugated antibody.



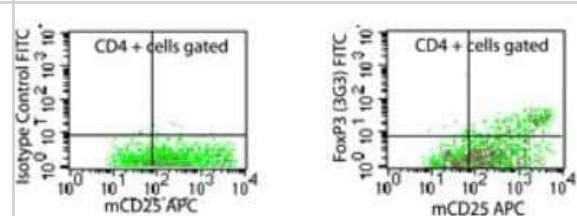
Flow Cytometry: FoxP3 Antibody (3G3) [NB100-56582] - Analysis using the azide free version of NB100-56582. Staining of human PBMCs stimulated with anti-hCD3 and rhIL-2 for 48 hours using isotype control (left) and NBP2-33297PE (right) at 0.1 ug/10<sup>6</sup> cells. Products used: anti-CD4 FITC conjugate, anti-CD25 APC conjugate.



Flow Cytometry: FoxP3 Antibody (3G3) [NB100-56582] - Analysis using the Allophycocyanin conjugate of NB100-56582. Staining of FOXP3 in mouse splenocytes stimulated with anti-mCD3 and rIL-2 for 48 hours using isotype control (left) and (right) at  $0.1 \text{ ug}/10^6$  cells. Anti-CD25 FITC conjugate this antibody, anti-FOXP3 FITC.



Flow Cytometry: FoxP3 Antibody (3G3) [NB100-56582] - Analysis using the FITC conjugate of NB100-56582. Staining of FOXP3 in mouse splenocytes stimulated with anti-mCD3 and rIL-2 for 48 hours using isotype control (left) and (right) at  $0.5 \text{ ug}/10^6$  cells. Anti-CD25 APC conjugate this antibody, anti-FOXP3 FITC.



## Publications

Wells JC, Smith Ann Davenport, V Morse R. The influence of regulatory T cells and mobilisation regimens on graft versus malignancy, graft versus host disease and relapse in haematopoietic progenitor cell transplantation (DBMS, University of the West of England).. Thesis. 2015-05-06

Gavin MA, Torgerson TR, Houston E et al. Single-cell analysis of normal and FOXP3-mutant human T cells: FOXP3 expression without regulatory T cell development. Proc Natl Acad Sci U S A. 2006-04-25 [PMID: 16617117]



### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NB100-56582**

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NBL1-10817	FoxP3 Overexpression Lysate
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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