

## Product datasheet for TA336416

### FOXP3 Mouse Monoclonal Antibody [Clone ID: 3G3]

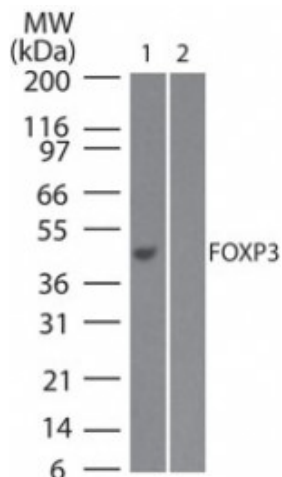
#### Product data:

Product Type:	Primary Antibodies
Clone Name:	3G3
Applications:	FC, WB
Recommend Dilution:	WB: 2-5 ug/ml, FC: 100 ng/ 10 <sup>6</sup> cells in 50 ul
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG1, kappa
Clonality:	Monoclonal
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).
Formulation:	PBS containing 0.05% BSA, 0.05% Sodium Azide. Store at -20C. Avoid freeze-thaw cycles.
Concentration:	0.5 mg/ml
Purification:	Protein G purified
Predicted Protein Size:	47 kDa
Gene Name:	forkhead box P3
Database Link:	<a href="#">NP_054728</a> <a href="#">Entrez Gene 20371</a> <a href="#">MouseEntrez Gene 50943</a> <a href="#">Human</a>
Background:	One of the many immunotolerance mechanisms that the immune system has developed to distinguish between self and non-self antigens is regulatory T cells or Tregs. Several elegant experiments using transgenic mice and retrovirus-mediated over expression studies, have led to the identification of FoxP3, a transcription factor, as a specific molecular marker essential for the development and function of Tregs. The primary evidence regarding the involvement of FoxP3 in the development of Tregs was provided in patients suffering from IPEX, a rare and fatal human autoimmune disease. The emergence of Tregs and the role of FoxP3 as a critical player in the negative control of various normal and pathological immune responses holds great promise for the development of novel therapies for autoimmune diseases.
Synonyms:	AIID; DIETER; IPEX; JM2; PIDX; XPID
Protein Families:	Transcription Factors

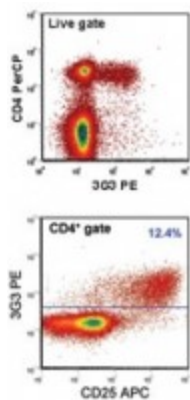


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## Product images:



Western Blot: FOXP3 Antibody (3G3) TA336416 - analysis of FOXP3 in 1) full-length transfected and 2) mock transfected 293 cell lysate using this antibody.



Flow Cytometry: FOXP3 Antibody (3G3) TA336416 - detection of FOXP3 in approximately  $2 \times 10^6$  mouse lymph node cells using 100 ng (in 50  $\mu$ l total volume) of this antibody.