

FOXP3 antibody [3G3] (APC)

Cat. No. GTX80283-07

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Applications	FCM
Reactivity	Human, Mouse, Rhesus Monkey

References (1)
 Package
 100 µg

PRODUCT

Summary

The 3G3 antibody reacts with mouse Foxp3, a 50-55 kDa transcription factor which is a central regulator of T cell activity and is critical for the development and function of regulatory T cells (Tregs). Foxp3 is expressed at constitutively high levels in Treg cells, which are further identified as being CD4+ CD25+. In resting conventional T cells (CD4+ CD25-) Foxp3 expression is restricted, and upon TCR activation is expressed only transiently and in a small proportion of cells. However, the growth factor TGF-beta has been shown to induce expression of Foxp3 in naïve T cells, driving their development into Foxp3+ Tregs, which are called "induced" or "adaptive" Tregs. These cells are phenotypically similar to so-called "natural" Tregs (CD4+ CD25high Foxp3+) which originate in the thymus and comprise the majority of Treg cells. Tregs are critical for maintaining peripheral tolerance and are implicated in the development of autoimmunity.

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
FCM	Assay dependent

Not tested in other applications.

Product Note This antibody recognizes N-terminal region of FoxP3.

Properties

Form	Liquid
Buffer	10mM NaH ₂ PO ₄ , 150mM NaCl, 0.1% Gelatin
Preservative	0.09% Sodium azide
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. Store at 4°C. DO NOT FREEZE. Protect from light.
Concentration	0.2 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Full-length His-tagged recombinant murine FoxP3
Purification	Purified by affinity chromatography From tissue culture supernatant
Conjugation	Allophycocyanin (APC) Wavelength



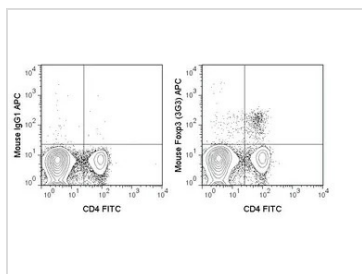
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Note

Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES

**GTX80283-07 FCM Image**

FACS analysis of C57Bl/6 splenocytes stained FITC anti-mouse CD4 antibody, followed by intracellular staining with GTX80283-07 FOXP3 antibody [3G3] (APC).

Right panel : Co-stained with FITC anti-mouse CD4 antibody and GTX80283-07

Left panel : Co-stained with FITC anti-mouse CD4 antibody and APC mouse IgG1 isotype control

Antibody amount : 0.125 μ g



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