

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



For full product information, images and publications, please visit our [website](#).

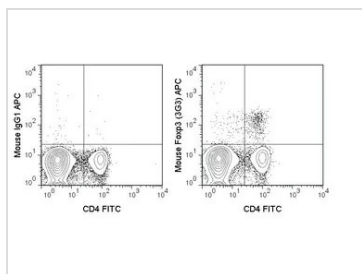
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Note

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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