

APC Anti-Mouse Foxp3 (3G3)

Catalog Number: APC-65089

3 Publications

Basic Information

Catalog Number:

APC-65089

Size:

100ug, 200 µg/ml

Source:

Mouse

Isotype:

IgG1, kappa

GenBank Accession Number:

BC132333

GeneID (NCBI):

20371

UNIPROT ID:

Q99JB6

Full Name:

forkhead box P3

Purification Method:

Affinity purification

CloneNo.:

3G3

Excitation/Emission maxima wavelengths:

650 nm / 660 nm

Applications

Tested Applications:

FC (Intra)

Cited Applications:

FC (Intra)

Species Specificity:

Mouse

Cited Species:

mouse

Background Information

Foxp3 (forkhead box P3), also named as IPEX, JM2 and scurf, is a member of the forkhead transcription factor family and is essential for normal immune homeostasis (PMID: 11138001; 20429413). Foxp3 is specifically expressed in CD4⁺ CD25⁺ regulatory T cells and is crucial for their development and suppressive activity (PMID: 12612578; 12612581). In scurf mouse, disruption of Foxp3 results in the fatal lymphoproliferative disorder attributed to the lack of an immune-suppressive component in the immune system (PMID: 25683611; 11138001). Similar to mice, genetic defects in human Foxp3 are the cause of immunodeficiency polyendocrinopathy, enteropathy, X-linked syndrome (IPEX) which also known as X-linked autoimmunity-immunodeficiency syndrome (PMID: 11137993).

Notable Publications

Author	Pubmed ID	Journal	Application
Li Wu	35344716	Phytomedicine	FC (Intra)
Dingyi Wang	35236203	Drug Deliv	FC (Intra)
Yunkai Shang	37192052	ACS Nano	FC (Intra)

Storage

Storage:

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

Phosphate based buffer with 0.09% sodium azide and 0.1% gelatin, pH 7.2.

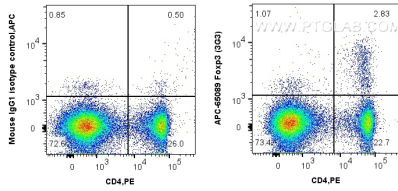
For technical support and original validation data for this product please contact:

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Selected Validation Data



1X10⁶ BALB/c mouse splenocytes were surface stained with PE Anti-Mouse CD4 (GK1.5) and then fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set. Cells were then intracellularly stained with 0.06 ug APC Anti-Mouse Foxp3 (APC-65089, Clone:3G3) or 0.06 ug APC Mouse IgG1 Isotype Control (MOPC-21). It is recommended that the antibody dosage should not exceed 0.06ug.