

For Research Use Only

FITC Anti-Mouse Foxp3 (3G3)

Catalog Number: FITC-65089



Basic Information

Catalog Number:

FITC-65089

Concentration:

100ug, 0.5 mg/ml

Source:

Mouse

Isotype:

IgG1

GenBank Accession Number:

BC132333

GeneID (NCBI):

20371

UNIPROT ID:

Q99JB6

Full Name:

forkhead box P3

Purification Method:

Affinity purification

CloneNo.:

3G3

Recommended Dilutions:

FC: 0.13 ug per 10⁶ cells in 100 µl suspension

Excitation/Emission maxima wavelengths:

494 nm / 520 nm

Applications

Tested Applications:

FC

Species Specificity:

Mouse

Positive Controls:

FC : mouse splenocytes,

Background Information

Foxp3 (forkhead box P3), also named as IPEX, JM2 and scurfin, 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 scurfy 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).

Storage

Storage:

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

Storage Buffer:

PBS with 0.09% sodium azide and 0.1% gelatin, pH7.2

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

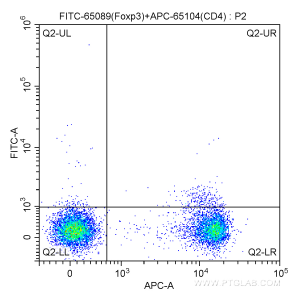
T: 4006900926

E: Proteintech-CN@ptglab.com

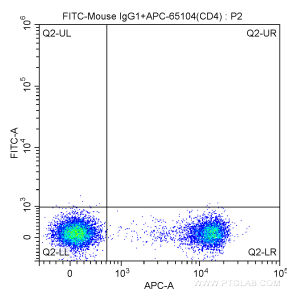
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Selected Validation Data



1X10⁶ C57BL/6 mouse splenocytes were surface stained with APC Anti-Mouse CD4 (GK1.5) (APC-65104, Clone: GK1.5) and then treated with fixation and permeabilization reagents. Cells were then stained with 0.13 ug FITC Foxp3 antibody (FITC-65089, Clone: 3G3).



1X10⁶ C57BL/6 mouse splenocytes were surface stained with APC Anti-Mouse CD4 (GK1.5) (APC-65104, Clone: GK1.5) and then treated with fixation and permeabilization reagents. Cells were then stained with 0.13 ug FITC-mouse IgG1 isotype control antibody.