

For Research Use Only

FITC Anti-Mouse Foxp3 (3G3)

Catalog Number: FITC-65089



Basic Information

Catalog Number: FITC-65089	GenBank Accession Number: BC132333	Purification Method: Affinity purification
Size: 100ug, 0.5 mg/ml	GeneID (NCBI): 20371	CloneNo.: 3G3
Source: Mouse	UNIPROT ID: Q99JB6	Excitation/Emission maxima wavelengths: 494 nm / 520 nm
Isotype: IgG1	Full Name: forkhead box P3	

Applications

Tested Applications:
FC

Species Specificity:
Mouse

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.

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:

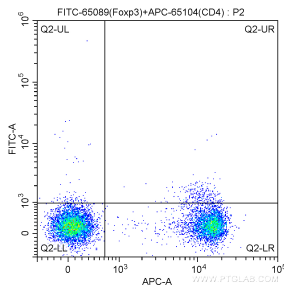
T: 4006900926

E: Proteintech-CN@ptglab.com

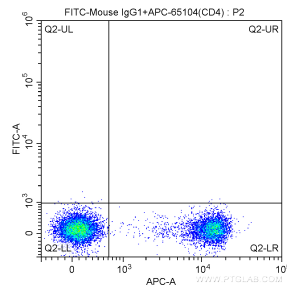
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Selected Validation Data



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).



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