

# FITC Anti-Mouse Foxp3 (3G3)

Catalog Number: FITC-65089

## Basic Information

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

## Applications

**Tested Applications:**  
FC

**Species Specificity:**  
Mouse

## Background Information

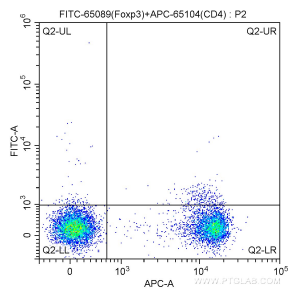
Foxp3 (forkhead box P3), also named as IPEX, JM2 and scurfin, is a member of the forkhead transcription factor family and is essential for normal immune homeostasis (PMID: 11138001; 20429413). Foxp3 is specifically expressed in CD4<sup>+</sup> CD25<sup>+</sup> regulatory T cells and is crucial for their 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

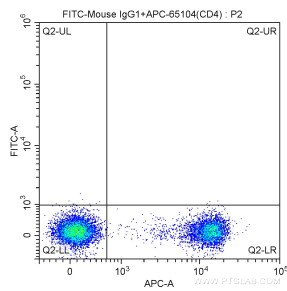
**Storage:**  
Store at 2-8°C. Avoid exposure to light.

**Storage Buffer:**  
Phosphate based buffer with 0.09% sodium azide and 0.1% gelatin, pH 7.2.

## Selected Validation Data



1X10<sup>6</sup> 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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