

For Research Use Only

# PE Anti-Mouse Foxp3 (3G3)

Catalog Number: PE-65089

1 Publications



## Basic Information

<b>Catalog Number:</b> PE-65089	<b>GenBank Accession Number:</b> BC132333	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 100ug, 0.2 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> 496 nm, 565 nm / 578 nm
<b>Isotype:</b> IgG1, kappa		

## 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 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).

## Notable Publications

Author	Pubmed ID	Journal	Application
Li Wu	35344716	Phytomedicine	FC (Intra)

## Storage

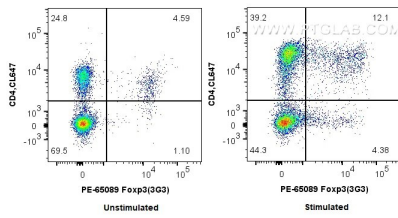
**Storage:**  
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.1% sodium azide and 0.5% BSA.

For technical support and original validation data for this product please contact:  
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## Selected Validation Data



1X10<sup>6</sup> unstimulated and anti-CD3/CD28-stimulated (with 50 ng/ml TGF- $\beta$ , 3 days) mouse splenocytes were surface stained with CoraLite® Plus 647-conjugated Anti-Mouse CD4. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011), and then intracellularly stained with 0.06  $\mu$ g PE Anti-Mouse Foxp3 (PE-65089, Clone:3G3).