

For Research Use Only

PE Anti-Mouse Foxp3 (3G3)

Catalog Number: PE-65089

4 Publications



Basic Information

Catalog Number:

PE-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:

496 nm, 565 nm / 578 nm

Applications

Tested Applications:

FC (Intra)

Cited Applications:

FC, 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)
Yi Chen	38768811	J Adv Res	FC
Bin Qian	38758648	Cell Rep	

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:

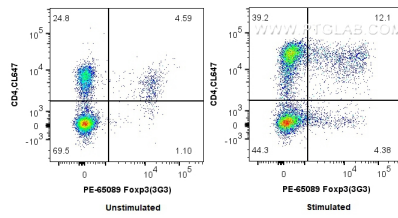
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ unstimulated and anti-CD3/CD28-stimulated (with 50 ng/ml TGF- β , 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 ug PE Anti-Mouse Foxp3 (PE-65089, Clone:3G3).