

For Research Use Only

CoraLite® Plus 647 Anti-Mouse Foxp3 (3G3)



Catalog Number: CL647-65089

Basic Information

Catalog Number:

CL647-65089

Size:

100ug, 500 µg/ml

Source:

Mouse

Isotype:

IgG1, kappa

GenBank Accession Number:

BC132333

GeneID (NCBI):

20371

Full Name:

forkhead box P3

Purification Method:

Affinity purification

CloneNo.:

3G3

Excitation/Emission maxima
wavelengths:

654 nm / 674 nm

Applications

Tested Applications:

FC (Intra)

Species Specificity:

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).

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, pH 7.3.

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

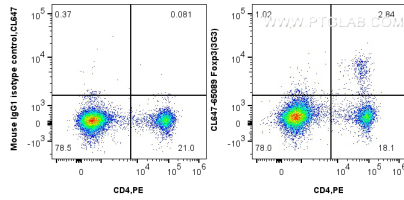
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ mouse splenocytes were intracellularly stained with 0.125 ug CoraLite® Plus 647 Anti-Mouse Foxp3 (3G3) (CL647-65089, Clone:3G3) or 0.125 ug CoraLite® Plus 647 Mouse IgG1 Isotype Control (MOPC-21) (CL647-65124, Clone: MOPC-21). Cells were co-stained with CoraLite® Plus 488 Anti-Mouse CD4 (GK1.5) (CL488-65104, Clone: GK1.5). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).