

For Research Use Only

CoraLite® Plus 488 Anti-Mouse Foxp3 (3G3)



Catalog Number: **CL488-65089**

1 Publications

Basic Information

| | | |
|--------------------------------|---------------------------------------|---|
| Catalog Number: CL488-65089 | GenBank Accession Number: BC132333 | Purification Method: Affinity purification |
| Size: 100tests , 5 µl/test | GeneID (NCBI): 20371 | CloneNo.: 3G3 |
| Source: Mouse | Full Name: forkhead box P3 | Excitation/Emission maxima wavelengths: 493 nm / 522 nm |
| Isotype: 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 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).

Notable Publications

| Author | Pubmed ID | Journal | Application |
|------------|-----------|-----------------|-------------|
| Ting Liang | 37743226 | Adv Sci (Weinh) | FC (Intra) |

Storage

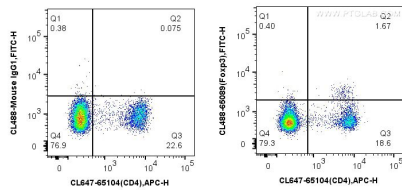
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:
PBS with 0.1% sodium azide and 0.5% BSA, pH 7.3.

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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 surface stained with CoraLite® Plus 647-conjugated Anti-Mouse CD4 (GK1.5) (CL647-65104, Clone: GK1.5) and then fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). Cells were then stained with CoraLite® Plus 488-conjugated mouse IgG1 isotype control or 5 ul CoraLite® Plus 488-conjugated Anti-Mouse Foxp3 (CL488-65089, Clone: 3G3).