

For Research Use Only

Anti-Mouse Foxp3 (3G3)

Catalog Number: 65089-1-Ig **5 Publications**



Basic Information

Catalog Number: 65089-1-Ig	GenBank Accession Number: BC132333	Purification Method: Affinity purification
Size: 100ug, 0.5 mg/ml	GeneID (NCBI): 20371	CloneNo.: 3G3
Source: Mouse	Full Name: forkhead box P3	Recommended Dilutions: IHC 1:50-1:500
Isotype: IgG1, kappa		

Applications

Tested Applications: IHC, FC	Positive Controls: IHC : mouse spleen tissue,
Cited Applications: IF, IHC	
Species Specificity: Mouse	
Cited Species: mouse	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

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
Yuki Hanamatsu	36604986	Thorac Cancer	IHC
Yuqi Yang	38291473	Cell Commun Signal	IF
Tongguan Tian	37938970	Cell Rep	

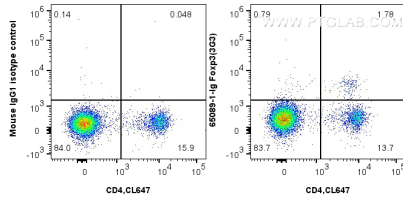
Storage

Storage:
Store at 2-8°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.1% sodium azide, pH 7.3.

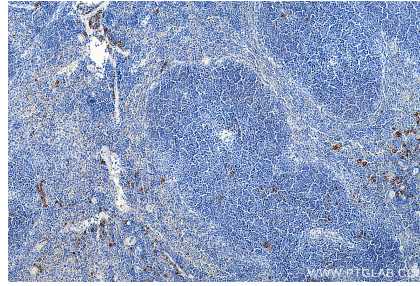
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

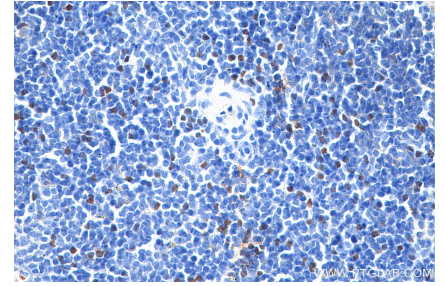
Selected Validation Data



1×10^6 C57BL/c mouse splenocytes were intracellularly stained with 0.25 μ g Anti-Mouse Foxp3 (3G3) (65089-1-Ig, Clone: 3G3) or 0.25 μ g Mouse IgG1 Isotype Control (MOPC-21) (65124-1-Ig, Clone: MOPC-21), FITC anti-Mouse IgG1 Antibody, and CoraLite® Plus 647 Anti-Mouse CD4 (GK1.5) (CL647-65104, Clone: GK1.5). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 65089-1-Ig (Foxp3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 65089-1-Ig (Foxp3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).