

For Research Use Only

FOXP3 Monoclonal antibody

Catalog Number: 68803-2-Ig



Basic Information

Catalog Number: 68803-2-Ig	GenBank Accession Number: BC113401	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 50943	CloneNo.: 2A1E7
Source: Mouse	UNIPROT ID: Q9BZS1	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:2000-1:8000
Isotype: IgG1	Full Name: forkhead box P3	
Immunogen Catalog Number: AG23089	Calculated MW: 431 aa, 47 kDa	
	Observed MW: 47 kDa	

Applications

Tested Applications:
WB, IHC, ELISA

Species Specificity:
human

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

Positive Controls:

WB : MJ cells,

IHC : human tonsillitis tissue, human appendicitis tissue, human lymphoma tissue, human ovary cancer tissue, human rectal cancer tissue, MJ cells

Background Information

FOXP3 is a transcription factor belonging to the Forkhead box (FOX) protein family. It contains a forkhead-winged helix domain that acts as a transcriptional activator or repressor. FOXP3 is the master regulator of regulatory T cells (Tregs), a subset of CD4+ T cells with potent suppressive activity. It plays a critical role in maintaining self-tolerance and preventing autoimmune diseases by controlling the development and function of Tregs. The expression of FOXP3 is quite limited, and the cellular taxa present in the tissue are relatively low. Therefore, if you intend to perform Western blotting (WB), it is advisable to enrich the target cells prior to detection.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

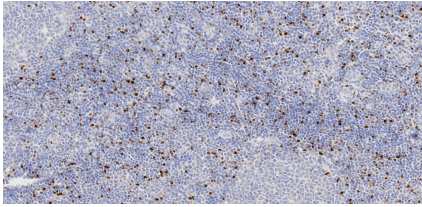
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

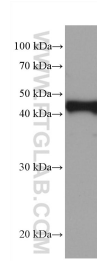
E: proteintech@ptglab.com
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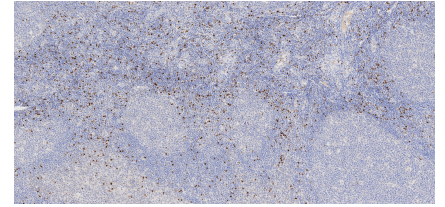
Selected Validation Data



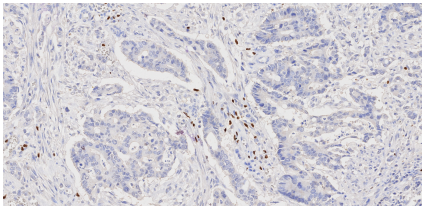
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 68803-2-Ig (FOXP3 antibody) at dilution of 1:4000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



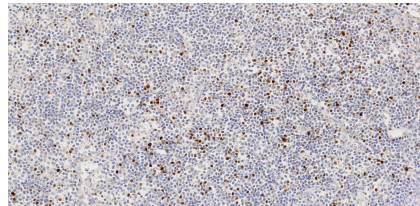
MJ cells were subjected to SDS PAGE followed by western blot with 68803-2-Ig (FOXP3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 68803-2-Ig (FOXP3 antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human rectal cancer tissue slide using 68803-2-Ig (FOXP3 antibody) at dilution of 1:4000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human appendicitis tissue slide using 68803-2-Ig (FOXP3 antibody) at dilution of 1:4000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).