

For Research Use Only

FOXP3 Monoclonal antibody, PBS Only (Capture)

Catalog Number: 68803-2-PBS



Basic Information

Catalog Number: 68803-2-PBS	GenBank Accession Number: BC113401	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 50943	CloneNo.: 2A1E7
Source: Mouse	UNIPROT ID: Q9BZS1	
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, Cytometric bead array, Indirect ELISA

Species Specificity:
human

Product Information

68803-2-PBS targets FOXP3 as part of a matched antibody pair:

MP50216-1: 68803-2-PBS capture and 68838-1-PBS detection (validated in Cytometric bead array)

Unconjugated mouse monoclonal antibody pair in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

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

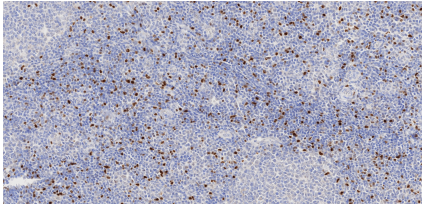
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

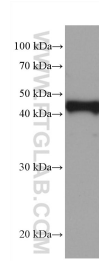
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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

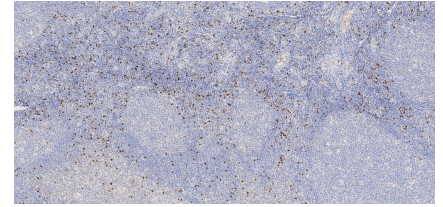
Selected Validation Data



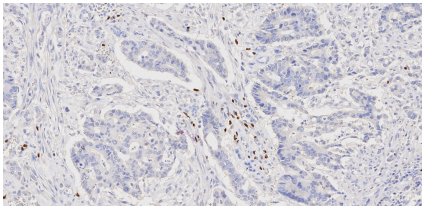
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 68803-2-Ig (FOXP3 antibody) at dilution of 1:4000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68803-2-PBS in a different storage buffer formulation.



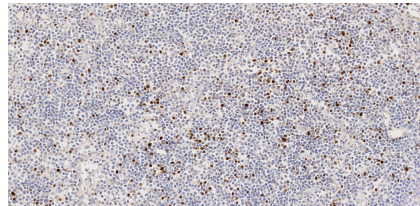
MJ cells were subjected to SDS PAGE followed by western blot with 68803-2-Ig (FOXP3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68803-2-PBS in a different storage buffer formulation.



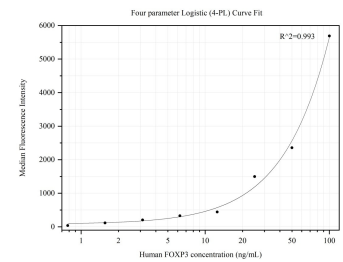
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 68803-2-Ig (FOXP3 antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68803-2-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 68803-2-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 68803-2-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP50216-1, FOXP3 Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 68803-2-PBS. Detection antibody: 68838-1-PBS. Standard: Ag17571. Range: 0.781-100 ng/mL.