

CoraLite® Plus 488-conjugated FOXP1 Polyclonal antibody

Catalog Number: **CL488-22051**

Basic Information

Catalog Number: CL488-22051	GenBank Accession Number: BC131720	Purification Method: Antigen Affinity Purified
Size: 1000 µg/ml	GeneID (NCBI): 27086	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Source: Rabbit	UNIPROT ID: Q9H334	
Isotype: IgG	Full Name: forkhead box P1	
Immunogen Catalog Number: AG17045	Calculated MW: 677 aa, 75 kDa	
	Observed MW: 50 kDa, 60-65 kDa, 85 kDa	

Applications

Tested Applications:
FC (Intra)

Species Specificity:
human, mouse, rat

Background Information

FOXP1, also known as Mac-1-regulated forkhead, is a 677 amino acid protein, which forms homodimers and heterodimers with FOXP2 and FOXP4 (PubMed:25027557). Dimerization is required for DNA-binding. FOXP1 has an important function in neuronal development.⁹ Mutations of its gene, FOXP1, located on chromosome 3p14.1,⁷ can result in the development of autism spectrum disorder, intellectual disability, speech and language deficits as well as motor development delay. FOXP1 is also engaged in lung and esophagus morphogenesis, as well as in B-cell development.^{7,10} The widely researched role of FOXP1 in carcinogenesis is of great importance, although still unclear to some extent. FOXP1 exists some isoforms with MV 75-77 kDa, 65-67 kDa, 12 kDa.

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

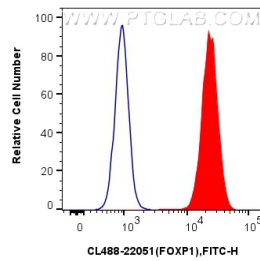
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ Jurkat cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human FOXP1 (CL488-22051) (red), or 0.4 ug CoraLite® Plus 488-conjugated Rabbit IgG control Rabbit PolyAb (CL488-30000, Clone:) (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.