For Research Use Only

CoraLite® Plus 488-conjugated FOXP1 Polyclonal antibody

Catalog Number:CL488-22051

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
CL488-22051

Size:
100ul , Concentration: 1000 μg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG17045

GenBank Accession Number:
BC131720

GeneID (NCBI):
27086

UNIPROT ID:
Q9H334

Full Name:
forkhead box P1

Calculated MW:
677 aa, 75 kDa

Observed MW:
50 kDa, 60-65 kDa, 85 kDa

Purification Method:
Antigen Affinity Purified

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

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.

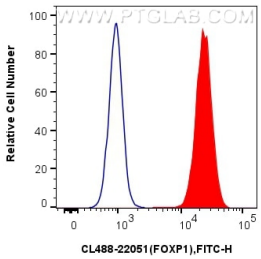
Storage

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

***** 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
W: ptglab.com

Selected Validation Data



1X10^6 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.