

For Research Use Only

CoraLite® Plus 488-conjugated FOXP1 Recombinant monoclonal antibody

Catalog Number:CL488-85930



Basic Information

Catalog Number:

CL488-85930

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG17169

GenBank Accession Number:

BC035020

GeneID (NCBI):

2290

UNIPROT ID:

P55316

Full Name:

forkhead box G1

Calculated MW:

489 aa, 52 kDa

Observed MW:

60 kDa

Purification Method:

Protein A purification

CloneNo.:

250144E8

Recommended Dilutions:

IF/ICC: 1:50-1:500

FC (Intra): 0.4 ug per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human, mouse, rat

Positive Controls:

IF/ICC : U-251 cells,

FC (Intra) : U251,

Background Information

Forkhead Box G1 (FOXP1) is a member of the Forkhead family of genes with non-redundant roles in brain development, where alteration of this gene's expression significantly affects the formation and function of the mammalian cerebral cortex. FOXP1 haploinsufficiency in humans is associated with prominent differences in brain size and impaired intellectual development noticeable in early childhood, while homozygous mutations are typically fatal.

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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

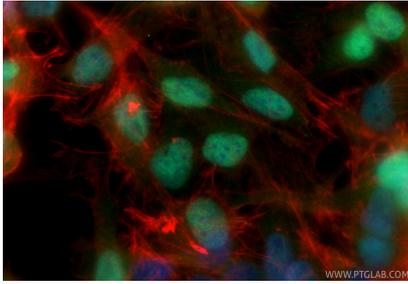
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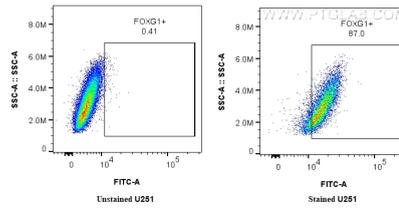
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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed U-251 cells using CoraLite® Plus 488 FOXG1 antibody (CL488-85930, Clone: 250144E8) at dilution of 1:200, CL594-phalloidin (red).



1×10^6 U-251 were intracellularly stained with 0.4 ug CoraLite® Plus 488-conjugated FOXG1 Recombinant monoclonal antibody (CL488-85930, Clone:250144E8), and 0.4 ug Isotype Control. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).