

CoraLite® Plus 488-conjugated FOXN1 Monoclonal antibody

Catalog Number: **CL488-66337**

Basic Information

Catalog Number:

CL488-66337

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG18207

GenBank Accession Number:

BC146539

GeneID (NCBI):

8456

UNIPROT ID:

O15353

Full Name:

forkhead box N1

Calculated MW:

648 aa, 69 kDa

Observed MW:

60 kDa

Purification Method:

Protein G purification

CloneNo.:

1D8B12

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

FC (Intra)

Species Specificity:

human

Background Information

FOXN1, also named as Forkhead box protein N1, is a 648 amino acid protein, which contains 1 fork-head DNA-binding domain and localizes in the nucleus. FOXN1 as transcriptional regulator regulates the development, differentiation, and function of thymic epithelial cells (TECs) both in the prenatal and postnatal thymus. FOXN1 acts as a master regulator of the TECs lineage development and is required from the onset of differentiation in progenitor TECs in the developing fetus to the final differentiation steps through which TECs mature to acquire their full functionality.

Storage

Storage:

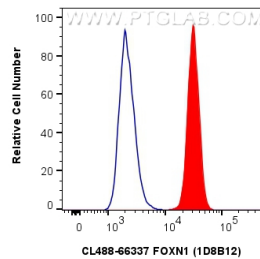
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

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

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



1×10^6 A549 cells were intracellularly stained with 0.4 μ g CoraLite® Plus 488 Anti-Human FOXP1 (CL488-66337, Clone:1D8B12) and CoraLite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 μ g CoraLite® Plus 488 Mouse IgG1 Isotype Control (MOPC-21) (CL488-65124, Clone: MOPC-21) (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.