

CoraLite® Plus 488-conjugated IKZF1 Monoclonal antibody

Catalog Number: CL488-66966

Basic Information

Catalog Number:

CL488-66966

Size:

1000 ug/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG28637

GenBank Accession Number:

BC018349

GeneID (NCBI):

10320

UNIPROT ID:

Q13422

Full Name:

IKAROS family zinc finger 1 (Ikaros)

Calculated MW:

477 aa, 53 kDa

Observed MW:

55-65 kDa

Purification Method:

Protein G purification

CloneNo.:

1D6B5

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human, mouse, pig, rabbit

Positive Controls:

IF/ICC : Jurkat cells,

Background Information

IKZF1, also known as DNA-binding protein Ikaros, belongs to the Ikaros C2H2-type zinc-finger protein family. The N-terminal zinc-fingers 2 and 3 are required for DNA binding as well as for targeting IKZF1 to pericentromeric heterochromatin. The C-terminal zinc-finger domain is required for dimerization. IKZF1 is abundantly expressed in thymus, spleen and peripheral blood leukocytes and lymph nodes. IKZF1 is localized in nucleus. IKZF1 as a transcription regulator of hematopoietic cell differentiation binds gamma-satellite DNA and plays a role in the development of lymphocytes, B- and T-cells. Binds and activates the enhancer (delta-A element) of the CD3-delta gene. IKZF1 is a repressor of the TDT (terminal deoxynucleotidyltransferase) gene during thymocyte differentiation. IKZF1 exists some isoforms with MV 58kDa, 48kDa, 48kDa, 43kDa, 41kDa, 32kDa and 53kDa, respectively.

Storage

Storage:

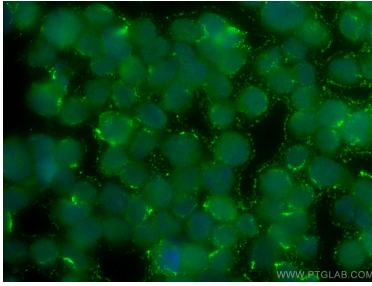
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

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



Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using CoraLite® Plus 488 IKZF1 antibody (CL488-66966, Clone: 1D6B5) at dilution of 1:200.

1x10⁶ human PBMCs were intracellularly stained with 0.4 ug CoraLite® Plus 488-conjugated IKZF1 Monoclonal antibody (CL488-66966, Clone:1D6B5), and 0.4 ug CoraLite® Plus 488 Mouse IgG1 Isotype Control (MOPC-21) (CL488-65124, Clone: MOPC-21). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).