

For Research Use Only

CoraLite® Plus 488-conjugated IKZF1 Monoclonal antibody

Catalog Number:CL488-66966



Basic Information

Catalog Number: CL488-66966	GenBank Accession Number: BC018349	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 10320	CloneNo.: 1D6B5
Source: Mouse	UNIPROT ID: Q13422	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG1	Full Name: IKAROS family zinc finger 1 (Ikaros)	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG28637	Calculated MW: 477 aa, 53 kDa	
	Observed MW: 55-65 kDa	

Applications

Tested Applications: IF/ICC, FC (Intra)	Positive Controls: IF/ICC : Jurkat cells,
Species Specificity: human, mouse, pig, rabbit	

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 (f1kzfterminal deoxynucleotidyltransferase) gene during thymocyte differentiation. IKZF1 exists some isoforms with MW 58kDa, 48kDa, 48kDa, 43kDa, 41kDa, 32kDa and 53kDa, respectively.

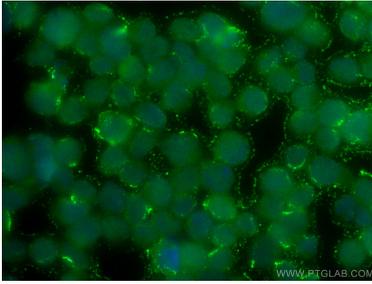
Storage

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

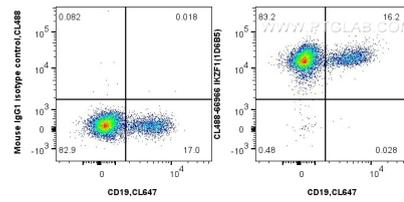
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



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).