

For Research Use Only

CoraLite® Plus 488-conjugated POU2AF1 Monoclonal antibody

Catalog Number:CL488-66659



Basic Information

Catalog Number: CL488-66659	GenBank Accession Number: BC032549	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 5450	CloneNo.: 3C5A7
Source: Mouse	ENSEMBL Gene ID: ENSG00000110777	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG1	UNIPROT ID: Q16633	
Immunogen Catalog Number: AG23613	Full Name: POU class 2 associating factor 1	
	Calculated MW: 256 aa, 27 kDa	
	Observed MW: 35 kDa	

Applications

Tested Applications:
FC (Intra)

Species Specificity:
human

Background Information

POU2AF1, also named as BOB-1 or OCA-B, is a 256 amino acid protein, which belongs to the POU2AF1 family. POU2AF1 is expressed in B-cell specific. POU2AF1 as a transcriptional coactivator that specifically associates with either OCT1 or OCT2. It boosts the OCT1 mediated promoter activity and to a lesser extent, that of OCT2. It has no intrinsic DNA-binding activity. It recognizes the POU domains of OCT1 and OCT2. It is essential for the response of B-cells to antigens and required for the formation of germinal centers. The predicted size of this protein is 27 kDa. Studies have reported that the protein has a multi-band size of 34-35 kDa through siRNA interference experiments (PMID: 17621271). This result is the same as our experiments.

Storage

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

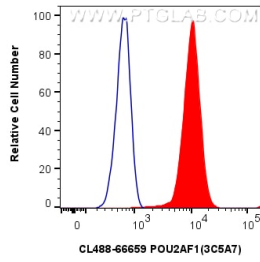
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

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



1x10⁶ Ramos cells were intracellularly stained with 0.2 ug Coralite® Plus 488 Pou2af1 Monoclonal Antibody (CL488-66659, Clone:3C5A7)(red), or 0.2 ug Coralite® Plus 488 Mouse IgG1 Isotype Control (1F8D3) (CL488-66360-1, Clone: 1F8D3) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).