

For Research Use Only

# POU2AF1 Monoclonal antibody, PBS Only (Capture/Detector)

Catalog Number: 66659-1-PBS



## Basic Information

Catalog Number: 66659-1-PBS	GenBank Accession Number: BC032549	Purification Method: Protein A purification
Size: 1mg/ml	GeneID (NCBI): 5450	CloneNo.: 3C5A7
Source: Mouse	ENSEMBL Gene ID: ENSG00000110777	
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:**  
WB, IHC, Cytometric bead array, Indirect ELISA

**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 -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS Only

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

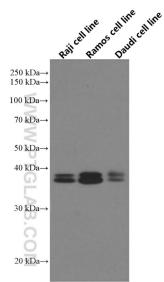
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

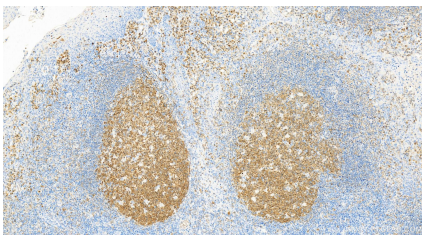
W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

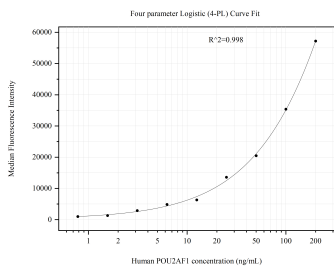
## Selected Validation Data



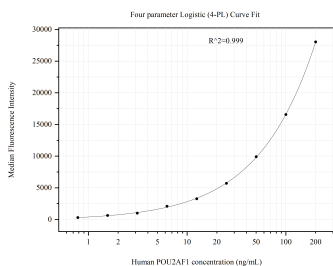
Various lysates were subjected to SDS PAGE followed by western blot with 66659-1-Ig (POU2AF1 antibody) at dilution of 1:5000 and incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66659-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded Human tonsillitis tissue slide using 66659-1-Ig (POU2AF1 antibody) at dilution of 1:1700 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66659-1-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP51058-1, POU2AF1 Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 66659-2-PBS. Detection antibody: 66659-1-PBS. Standard: Ag23613. Range: 0.781-200 ng/mL.



Cytometric bead array standard curve of MP51058-2, POU2AF1 Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 66659-1-PBS. Detection antibody: 66659-3-PBS. Standard: Ag23613. Range: 0.781-200 ng/mL.