

For Research Use Only

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

Catalog Number: 66659-1-PBS



## Basic Information

<b>Catalog Number:</b> 66659-1-PBS	<b>GenBank Accession Number:</b> BC032549	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 5450	<b>CloneNo.:</b> 3C5A7
<b>Source:</b> Mouse	<b>ENSEMBL Gene ID:</b> ENSG00000110777	
<b>Isotype:</b> IgG1	<b>UNIPROT ID:</b> Q16633	
<b>Immunogen Catalog Number:</b> AG23613	<b>Full Name:</b> POU class 2 associating factor 1	
	<b>Calculated MW:</b> 256 aa, 27 kDa	
	<b>Observed MW:</b> 35 kDa	

## Applications

**Tested Applications:**  
WB, IHC, Cytometric bead array, Indirect ELISA

**Species Specificity:**  
human

## Product Information

66659-1-PBS targets POU2AF1 as part of a matched antibody pair:

MP51058-1: 66659-2-PBS capture and 66659-1-PBS detection (validated in Cytometric bead array)

MP51058-2: 66659-1-PBS capture and 66659-3-PBS detection (validated in Cytometric bead array)

Unconjugated mouse monoclonal antibody pair in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

## 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

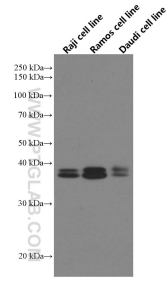
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

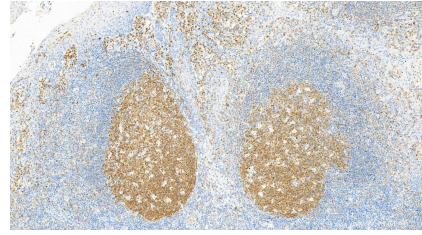
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

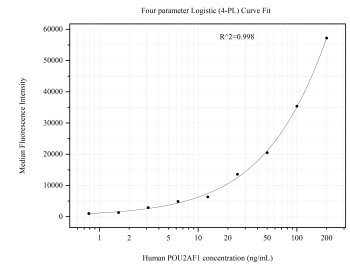
## Selected Validation Data



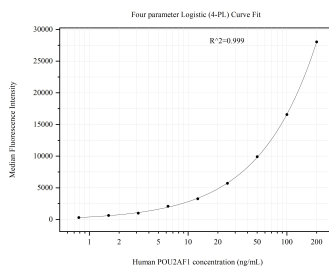
Various lysates were subjected to SDS PAGE followed by western blot with 66659-1-Ig (POU2AF1 antibody) at dilution of 1:5000 and incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66659-1-PBS in a different storage buffer formulation.



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.