

For Research Use Only

# TIMP1 Monoclonal antibody, PBS Only (Detector)

Catalog Number: 68691-2-PBS



## Basic Information

<b>Catalog Number:</b> 68691-2-PBS	<b>GenBank Accession Number:</b> BC000866	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 7076	<b>CloneNo.:</b> 2D1E8
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P01033	<b>Affinity:</b> $K_D = 6.19 \times 10^{-10}M$
<b>Isotype:</b> IgG1	<b>Full Name:</b> TIMP metalloproteinase inhibitor 1	$K_{Off} = 2.13 \times 10^{-4}M$
<b>Immunogen Catalog Number:</b> EG0638	<b>Calculated MW:</b> 23 kDa	$K_{On} = 3.45 \times 10^5M$

## Applications

**Tested Applications:**  
Sandwich ELISA, Indirect ELISA, Sample test

**Species Specificity:**  
human

## Product Information

68691-2-PBS targets TIMP1 as part of a matched antibody pair:

MP50084-1: 68691-1-PBS capture and 68691-2-PBS detection (validated in Sandwich ELISA)

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.

## Storage

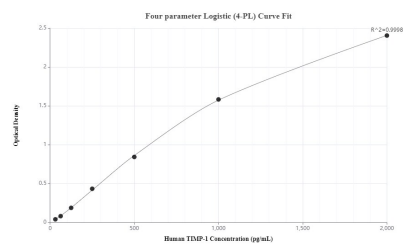
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

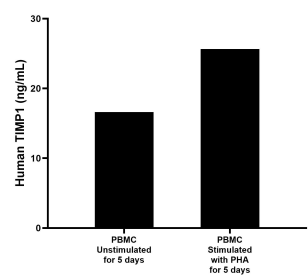
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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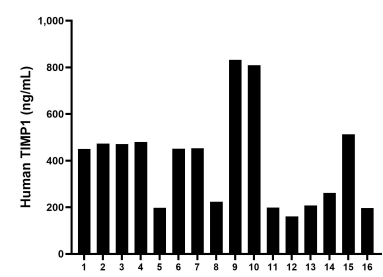
## Selected Validation Data



Sandwich ELISA standard curve of MP50084-1, TIMP1 Monoclonal Matched Antibody Pair - PBS only. 68691-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg0638. 68691-2-PBS was HRP conjugated as the detection antibody. Range: 31.25-2000 pg/mL.



Human peripheral blood mononuclear cells (PBMC) were cultured unstimulated or stimulated with 10 µg/mL PHA for 5 days. The mean TIMP1 concentration was determined to be 16.63 ng/mL in unstimulated PBMC supernatant, 25.66 ng/mL in PHA stimulated PBMC supernatant.



Serum of sixteen individual healthy human donors was measured. The human TIMP1 concentration of detected samples was determined to be 398.65 ng/mL with a range of 160.64 - 832.22 ng/mL.