

For Research Use Only

# TIMP1 Monoclonal antibody, PBS Only (Capture)

Catalog Number: 68691-1-PBS



## Basic Information

Catalog Number: 68691-1-PBS	GenBank Accession Number: BC000866	Purification Method: Protein A purification
Concentration: 1mg/ml	GeneID (NCBI): 7076	CloneNo.: 2B12A2
Source: Mouse	UNIPROT ID: P01033	Affinity: $K_D = 1.61 \times 10^{-8}$
Isotype: IgG1	Full Name: TIMP metalloproteinase inhibitor 1	$K_{off} = 5.73 \times 10^{-4}$
Immunogen Catalog Number: EG0638	Calculated MW: 23 kDa	$K_{on} = 3.56 \times 10^4$

## Applications

Tested Applications:  
Sandwich ELISA, Indirect ELISA, Sample test

Species Specificity:  
human

## Background Information

### 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, pH7.3

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

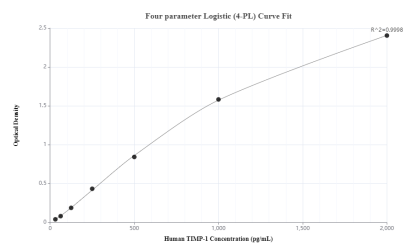
T: 4006900926

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

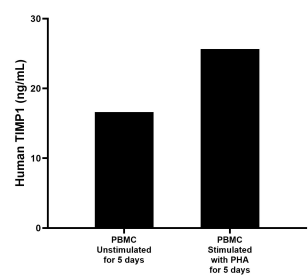
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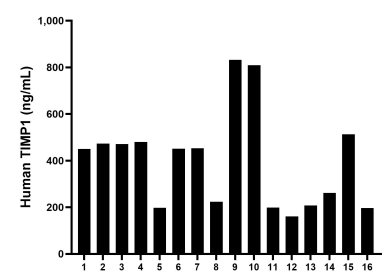
## Selected Validation Data



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  $\mu$ g/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