

For Research Use Only

# TIMP1 Recombinant antibody, PBS Only (Detector)



Catalog Number: 83151-2-PBS

## Basic Information

<b>Catalog Number:</b> 83151-2-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> 230329F11
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P01033	<b>Affinity:</b> $K_D = 1.75 \times 10^{-11}M$
<b>Isotype:</b> IgG	<b>Full Name:</b> TIMP metalloproteinase inhibitor 1	$K_{off} = 5.52 \times 10^{-6}M$ $K_{on} = 3.15 \times 10^5M$
	<b>Calculated MW:</b> 23 kDa	

## Applications

**Tested Applications:**  
Cytometric bead array, Sandwich ELISA, Indirect ELISA, Sample test

**Species Specificity:**  
human

## Product Information

83151-2-PBS targets TIMP1 as part of a matched antibody pair:

MP00245-1: 83151-3-PBS capture and 83151-2-PBS detection (validated in Cytometric bead array)

MP00245-2: 83151-1-PBS capture and 83151-2-PBS detection (validated in Cytometric bead array)

MP00245-3: 83151-4-PBS capture and 83151-2-PBS detection (validated in Cytometric bead array)

MP00245-4: 83151-6-PBS capture and 83151-2-PBS detection (validated in Sandwich ELISA)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

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

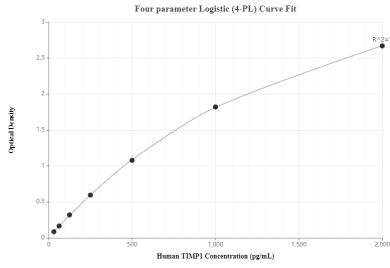
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

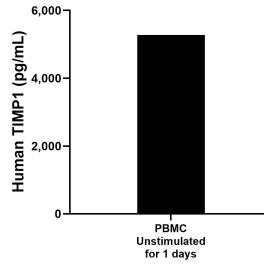
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

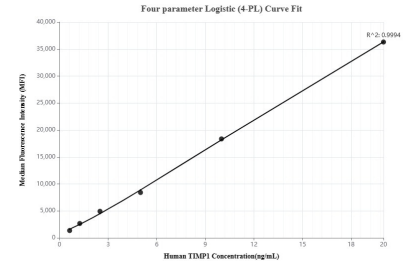
## Selected Validation Data



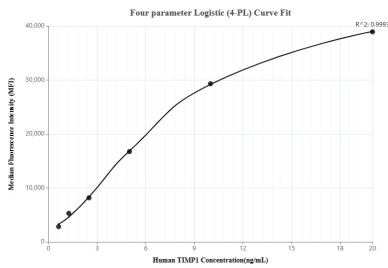
Sandwich ELISA standard curve of MP00245-4, TIMP1 Recombinant Matched Antibody Pair - PBS only. 83151-6-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg0638. 83151-2-PBS was HRP conjugated as the detection antibody. Range: 31.25-2000 pg/mL



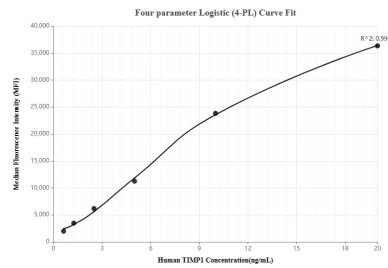
Human peripheral blood mononuclear cells (PBMC) were cultured for 1 day, the mean TIMP1 concentration was determined to be 5273.1 pg/mL in PBMC supernatant.



Cytometric bead array standard curve of MP00245-1, TIMP1 Recombinant Matched Antibody Pair - PBS only. Capture antibody: 83151-3-PBS. Detection antibody: 83151-2-PBS. Standard: Eg0638. Range: 0.625-20 ng/mL



Cytometric bead array standard curve of MP00245-2, TIMP1 Recombinant Matched Antibody Pair - PBS only. Capture antibody: 83151-1-PBS. Detection antibody: 83151-2-PBS. Standard: Eg0638. Range: 0.625-20 ng/mL



Cytometric bead array standard curve of MP00245-3, TIMP1 Recombinant Matched Antibody Pair - PBS only. Capture antibody: 83151-4-PBS. Detection antibody: 83151-2-PBS. Standard: Eg0638. Range: 0.625-20 ng/mL