

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 |
| Size: 100ug , Concentration: 1mg/ml by Nanodrop; | GeneID (NCBI): 7076 | CloneNo.: 2B12A2 |
| Source: Mouse | UNIPROT ID: P01033 | Affinity: $K_D = 1.61 \times 10^{-8}M$ |
| Isotype: IgG1 | Full Name: TIMP metalloproteinase inhibitor 1 | $K_{off} = 5.73 \times 10^{-4}M$ |
| Immunogen Catalog Number: EG0638 | Calculated MW: 23 kDa | $K_{on} = 3.56 \times 10^4M$ |

Applications

Tested Applications:
Sandwich ELISA, Indirect ELISA, Sample test

Species Specificity:
human

Product Information

68691-1-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

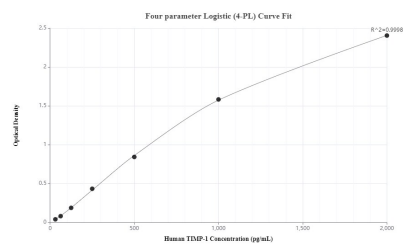
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

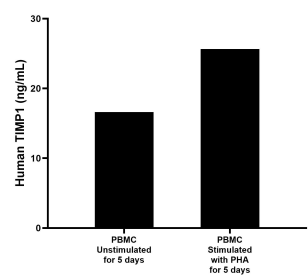
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

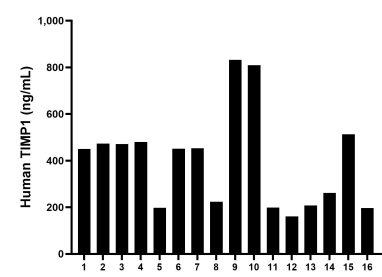
Selected Validation Data



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