

TIMP1 Monoclonal Matched Antibody Pair, PBS Only

Catalog Number: **MP50084-1**

Capture Antibody Information

Catalog Number:
68691-1-PBS

Host:
Mouse

Isotype:
IgG1

Purification Method:
Protein A purification

Clone ID:
2B12A2

Reactivity:
human

Immunogen Catalog Number:
Eg0638

Conjugate:
Unconjugated

Full name:
TIMP metalloproteinase inhibitor 1

Gene ID:
7076

Affinity:
 $K_D = 1.61 \times 10^{-8} \text{M}$
 $K_{Off} = 5.73 \times 10^{-4} \text{M}$
 $K_{On} = 3.56 \times 10^4 \text{M}$

Detection Antibody Information

Catalog Number:
68691-2-PBS

Host:
Mouse

Isotype:
IgG1

Purification Method:
Protein A purification

Clone ID:
2D1E8

Reactivity:
human

GenBank:
BC000866

Immunogen Catalog Number:
Eg0638

Conjugate:
Unconjugated

Full name:
TIMP metalloproteinase inhibitor 1

Gene ID:
7076

Affinity:
 $K_D = 6.19 \times 10^{-10} \text{M}$
 $K_{Off} = 2.13 \times 10^{-4} \text{M}$
 $K_{On} = 3.45 \times 10^5 \text{M}$

Applications

Tested Applications:
Sandwich ELISA

Range:
31.25–2000 pg/mL (Sandwich ELISA)

Recommended Dilutions:
It is recommended that this reagent should be titrated in each testing system to obtain optimal results.

Product Information

MP50084-1 targets TIMP1 in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: TIMP1 Monoclonal antibody, PBS Only (Capture) 68691-1-PBS (2B12A2). 100 µg. Concentration 1 mg/mL.

Detection antibody: TIMP1 Monoclonal antibody, PBS Only (Detector) 68691-2-PBS (2D1E8). 100 µg. Concentration 1 mg/mL.

Unconjugated mouse monoclonal antibody pair in PBS only storage buffer at a concentration of 1 mg/mL, ready for conjugation.

Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs.

Antibody use should be optimized for each application and assay.

Storage

Storage:
Store at -80°C.

Storage buffer:
PBS only

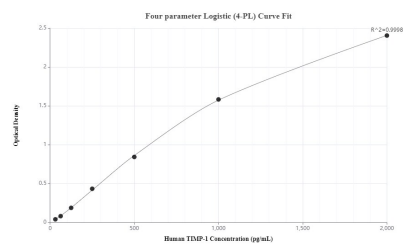
For technical support and original validation data for this product please contact:

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

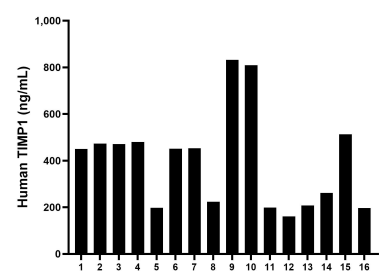
E: proteintech@ptglab.com
W: ptglab.com

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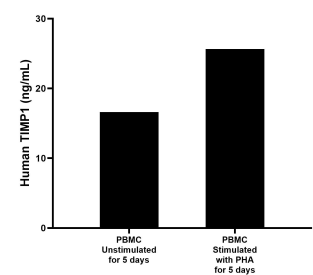
Selected Validation Data



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



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



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.