

For Research Use Only

Thrombopoietin Monoclonal antibody, PBS Only (Detector)

Catalog Number: 68672-2-PBS



Basic Information

Catalog Number: 68672-2-PBS	GenBank Accession Number: GeneID (NCBI): 7066	Purification Method: Protein G purification
Size: 100ug , Concentration: 1mg/ml by Nanodrop;	UNIPROT ID: P40225	CloneNo.: 1A8G2
Source: Mouse	Full Name: thrombopoietin	Affinity: $K_D = 1.85 \times 10^{-9}M$ $K_{off} = 3.08 \times 10^{-4}M$ $K_{on} = 1.67 \times 10^5M$
Isotype: IgG1		
Immunogen Catalog Number: HZ-1248		

Applications

Tested Applications:
Sandwich ELISA, Indirect ELISA

Species Specificity:
human

Product Information

68672-2-PBS targets Thrombopoietin as part of a matched antibody pair.

MP50053-1: 68672-1-PBS capture and 68672-2-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

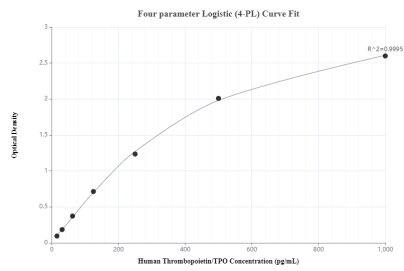
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

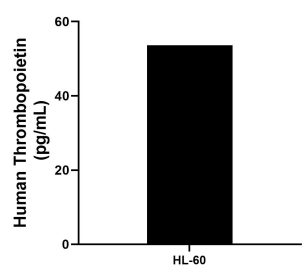
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

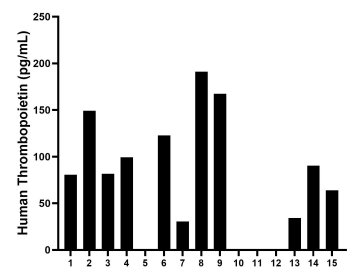
Selected Validation Data



Sandwich ELISA standard curve of MP50053-1, THPO Monoclonal Matched Antibody Pair, PBS Only. 68672-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard HZ-1248. 68672-2-PBS was HRP conjugated as detection antibody. Range: 15.6-1000 pg/mL



HL-60 were cultured in DMEM supplemented with 10% fetal bovine serum, 2.5 mM L-glutamine, 100 U/mL penicillin, and 100 µg/mL streptomycin sulfate. An aliquot of the cell culture supernate was removed, assayed for human Thrombopoietin, and measured 53.6 pg/mL



Serum of sixteen individual healthy human donors was measured. The human Thrombopoietin concentration of detected samples was determined to be 100.9 pg/mL with a range of ND - 191.1 pg/mL