

For Research Use Only

Cathepsin B Recombinant monoclonal antibody, PBS Only (Detector)

Catalog Number: 83998-5-PBS



Basic Information

Catalog Number: 83998-5-PBS	GenBank Accession Number: NM_001908.5	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 1508	CloneNo.: 260854E8
Source: Rabbit	UNIPROT ID: P07858	
Isotype: IgG	Full Name: cathepsin B	
Immunogen Catalog Number: EG1020	Calculated MW: 38kDa	

Applications

Tested Applications:
Cytometric bead array, Sandwich ELISA, Indirect ELISA

Species Specificity:
human

Product Information

83998-5-PBS targets Cathepsin B as part of a matched antibody pair:

MP03489-1: 83998-4-PBS capture and 83998-5-PBS detection (validated in Cytometric bead array, 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

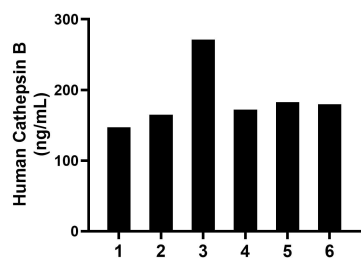
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

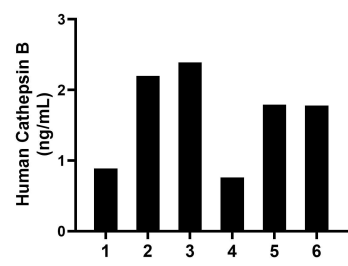
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

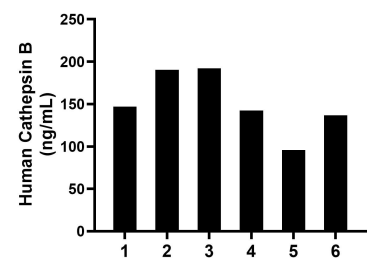
Selected Validation Data



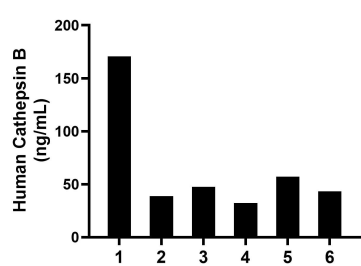
Urine of six individual healthy human donors was measured. The Cathepsin B concentration of detected samples was determined to be 1.64 ng/mL with a range of 0.76-2.39 ng/mL.



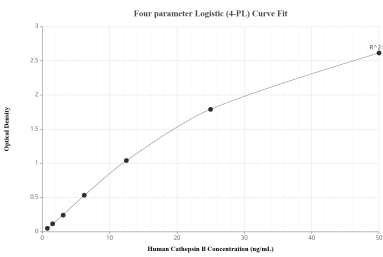
Saliva of six individual healthy human donors was measured. The Cathepsin B concentration of detected samples was determined to be 186.38 ng/mL with a range of 146.98-271.31 ng/mL.



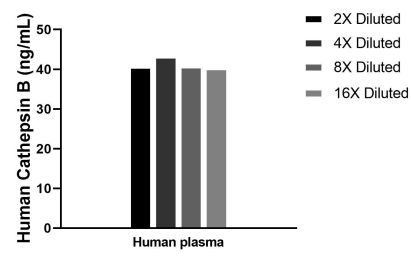
Human milk of six individual healthy human donors was measured. The Cathepsin B concentration of detected samples was determined to be 150.72 ng/mL with a range of 95.82-192.06 ng/mL.



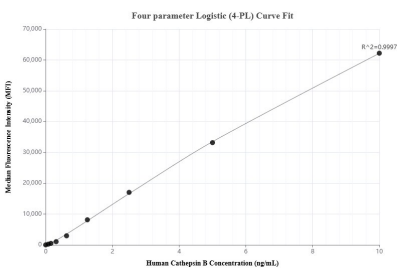
Plasma of six individual healthy human donors was measured. The Cathepsin B concentration of detected samples was determined to be 65.00 ng/mL with a range of 32.20-170.78 ng/mL.



Sandwich ELISA standard curve of MP03489-1, Human Cathepsin B Recombinant Matched Antibody Pair - PBS only. 83998-4-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg1020. 83998-5-PBS was HRP conjugated as the detection antibody. Range: 0.781-50 ng/mL.



The mean Cathepsin B concentration was determined to be 41.1 ng/mL in human plasma.



Cytometric bead array standard curve of MP03489-1, Cathepsin B Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83998-4-PBS. Detection antibody: 83998-5-PBS. Standard: Eg1020. Range: 0.078-10 ng/mL.