

Cathepsin B Recombinant Matched Antibody Pair, PBS Only

Catalog Number: **MP03489-1**

Capture Antibody Information

Catalog Number:

83998-4-PBS

Host:

Rabbit

Isotype:

IgG

Purification Method:

Protein A purification

Clone ID:

260854C10

Reactivity:

human

Immunogen Catalog Number:

Eg1020

Conjugate:

Unconjugated

Full name:

cathepsin B

Gene ID:

1508

Detection Antibody Information

Catalog Number:

83998-5-PBS

Host:

Rabbit

Isotype:

IgG

Purification Method:

Protein A purification

Clone ID:

260854E8

Reactivity:

human

GenBank:

NM_001908.5

Immunogen Catalog Number:

Eg1020

Conjugate:

Unconjugated

Full name:

cathepsin B

Gene ID:

1508

Applications

Tested Applications:

Cytometric bead array, Sandwich ELISA

Range:

0.078-10 ng/mL (Cytometric Bead Array)
0.781-50 ng/mL (Sandwich ELISA)

Recommended Dilutions:

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

Product Information

MP03489-1 targets Cathepsin B in immunoassays as a matched antibody pair. Validated in Cytometric bead array, Sandwich ELISA.

Capture antibody: Cathepsin B Recombinant monoclonal antibody, PBS Only (Capture) 83998-4-PBS (260854C10). 100 µg. Concentration 1 mg/mL.

Detection antibody: Cathepsin B Recombinant monoclonal antibody, PBS Only (Detector) 83998-5-PBS (260854E8). 100 µg. Concentration 1 mg/mL.

Unconjugated rabbit recombinant monoclonal antibody pair in PBS only 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.

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

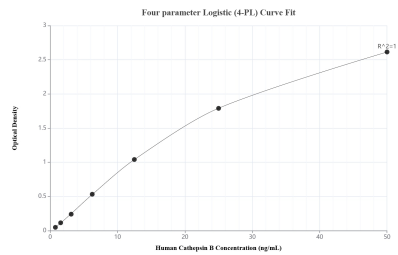
For technical support and original validation data for this product please contact:

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

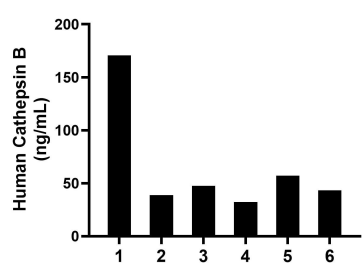
E: proteintech@ptglab.com
W: ptglab.com

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

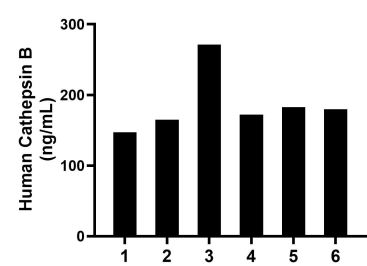
Selected Validation Data



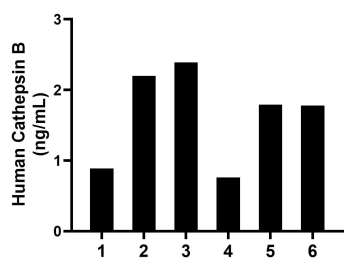
Sandwich ELISA standard curve of MP03489-1, Human Cathepsin B Recombinant Matched Antibody Pair - PBS only. 83998-4-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg1020. 83998-5-PBS was HRP conjugated as the detection antibody. Range: 0.781-50 ng/mL



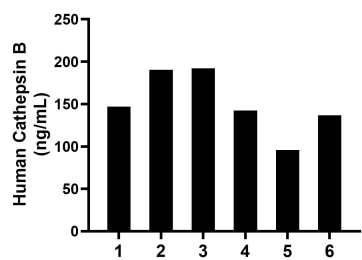
Plasma of six individual healthy human donors was measured. The Cathepsin B concentration of detected samples was determined to be 65.00 ng/mL with a range of 32.20-170.78 ng/mL



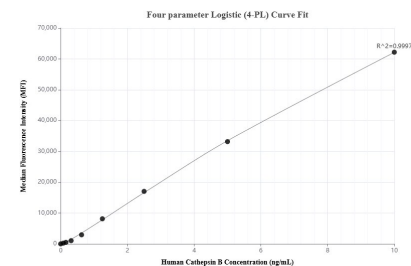
Urine of six individual healthy human donors was measured. The Cathepsin B concentration of detected samples was determined to be 1.64 ng/mL with a range of 0.76-2.39 ng/mL



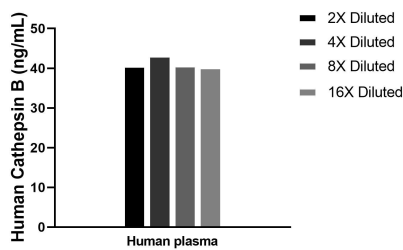
Saliva of six individual healthy human donors was measured. The Cathepsin B concentration of detected samples was determined to be 186.38 ng/mL with a range of 146.98-271.31 ng/mL



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



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



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