For Research Use Only

## Cathepsin D Recombinant Matched Antibody Pair, PBS Only



Catalog Number: MP00695-4

Capture Antibody Information Catalog Number: 83743-6-PBS Host:

Rabbit Isotype: IgG

IgG

Purification Method: Protein A purification Clone ID: 240775A3

Reactivity: human Conjugate: Unconjugated Full name: cathepsin D

Gene ID: 1509

Detection Antibody Information

Catalog Number: 83743-2-PBS Host: Rabbit Isotype:

Purification Method: Protein A purification Clone ID: Conjugate:
240775E7 Unconjugated
Reactivity: Full name:
human cathepsin D
GenBank: Gene ID:
NM\_001909.5 1509

d:

**Applications** 

Tested Applications:

Sandwich ELISA

Range:

0.156-10 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** 

in USA), or 1(312) 455-8498 (outside USA)

 $MP00695\text{-}4\,targets\,Cathepsin\,D\,in\,immuno assays\,as\,a\,matched\,antibody\,pair.\,Validated\,in\,Sandwich\,ELISA.$ 

Capture antibody: Cathepsin D Recombinant antibody, PBS Only (Capture) 83743-6-PBS (240775A3). 100 µg. Concentration 1 mgl/ml.

Detection antibody: Cathepsin D Recombinant antibody, PBS Only (Detector) 83743-2-PBS (240775E7). 100 µg. Concentration 1 mgl/ml.

Alternative Cathepsin D matched antibody pairs: MP00695-1, MP00695-2, MP00695-3

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

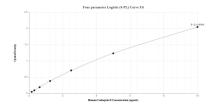
Antibody use should be optimized for each application and assay.

Storage

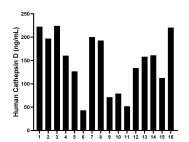
Storage: Store at -80°C. Storage buffer: PBS only

W: ptglab.com

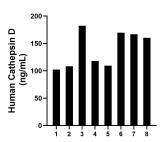
## **Selected Validation Data**



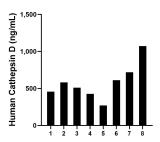
Sandwich ELISA standard curve of MP00695-4, Human Cathepsin D Recombinant Matched Antibody Pair - PBS only. 83743-6-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg1053. 83743-2-PBS was HRP conjugated as the detection antibody. Range: 0.156-10 ng/mL



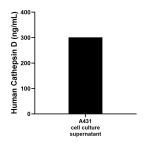
Serum of sixteen individual healthy human donors was measured. The human Cathepsin D concentration of detected samples was determined to be 147.3 ng/mL with a range of 43.2 - 224.2 ng/mL



Saliva of eight individual healthy human donors was measured. The human Cathepsin D concentration of detected samples was determined to be 139.6 ng/mL with a range of 102.4 - 182.3 ng/mL



Human milk of eight individual healthy human donors was measured. The human Cathepsin D concentration of detected samples was determined to be 580.4 ng/mL with a range of 270 - 1,071.8 ng/ml



For the A431 supernatant, the mean human Cathepsin D concentration was determined to be 301.05 ng/mL