

For Research Use Only

Cathepsin A Recombinant Matched Antibody Pair, PBS Only



Catalog Number:MP02549-1

Capture Antibody Information

Catalog Number:
80273-2-PBS

Host:
Rabbit

Isotype:
IgG

Purification Method:
Protein A purification

Clone ID:
251086D1

Reactivity:
human

Immunogen Catalog Number:
Ag7073

Conjugate:
Unconjugated

Full name:
cathepsin A

Gene ID:
5476

Detection Antibody Information

Catalog Number:
80273-3-PBS

Host:
Rabbit

Isotype:
IgG

Purification Method:
Protein A purification

Clone ID:
251086C2

Reactivity:
human

GenBank:
BC000597

Immunogen Catalog Number:
Ag7073

Conjugate:
Unconjugated

Full name:
cathepsin A

Gene ID:
5476

Applications

Tested Applications:
Sandwich ELISA

Range:
0.391-25 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

MP02549-1 targets Cathepsin A in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: CTSA Recombinant monoclonal antibody, PBS Only (Capture) 80273-2-PBS (251086D1). 100 µg. Concentration 1 mg/mL.

Detection antibody: CTSA Recombinant monoclonal antibody, PBS Only (Detector) 80273-3-PBS (251086C2). 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

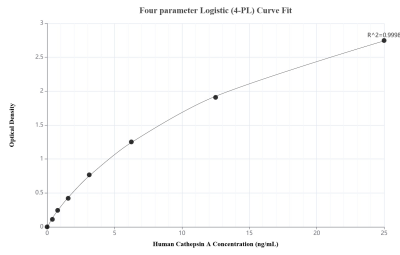
For technical support and original validation data for this product please contact:

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

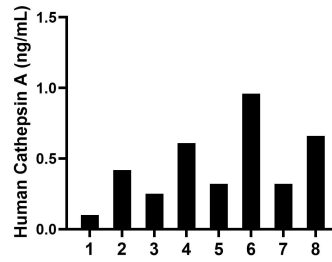
E: proteintech@ptglab.com
W: ptglab.com

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

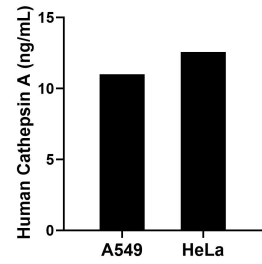
Selected Validation Data



Sandwich ELISA standard curve of MP02549-1, Human Cathepsin A Recombinant Matched Antibody Pair - PBS only. 80273-2-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag7073. 80273-3-PBS was HRP conjugated as the detection antibody. Range: 0.391-25 ng/mL



Serum of eight individual healthy human donors was measured. The Cathepsin A concentration of detected samples was determined to be 0.46 ng/mL with a range of 0.10-0.96 ng/mL.



The mean Cathepsin A concentration was determined to be 10.99 ng/mL in A549 cell extract based on a 1.10 mg/mL extract load and 12.57 ng/mL in HeLa cell extract based on a 1.10 mg/mL extract load.