For Research Use Only

Alpha 1 Antichymotrypsin Recombinant Matched Antibody Pair, PBS Only

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Catalog Number:MP03795-1

Capture Antibody Information

Catalog Number:
88540-9-PBS

Clone ID:
262127C6

Conjugate:
Unconjugated

Host:
Rabbit

Reactivity:
human

Full name:
serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 3

Isotype:
IgG

Immunogen Catalog Number:
Eg12047

Gene ID:
12

Purification Method:
Protein A purification

Detection Antibody Information

Catalog Number:
88540-8-PBS

Clone ID:
262127G7

Conjugate:
Unconjugated

Host:
Rabbit

Reactivity:
human

Full name:
serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 3

Isotype:
IgG

GenBank:
NM_001085.5

Gene ID:
12

Purification Method:
Protein A purification

Immunogen Catalog Number:
Eg12047

Applications

Tested Applications:
Cytometric bead array, Sandwich ELISA

Range:
0.312-40 ng/mL (Cytometric Bead Array)
0.195-12.5 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

MP03795-1 targets Alpha 1 Antichymotrypsin in immunoassays as a matched antibody pair. Validated in Cytometric bead array, Sandwich ELISA.

Capture antibody: SERPINA3 Recombinant monoclonal antibody, PBS Only (Capture) 88540-9-PBS (262127C6). 100 µg. Concentration 1 mg/ml.

Detection antibody: SERPINA3 Recombinant monoclonal antibody, PBS Only (Detector) 88540-8-PBS (262127G7). 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.

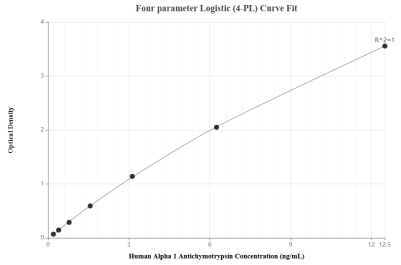
Storage

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

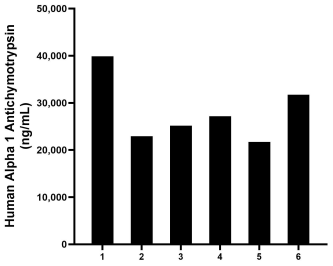
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

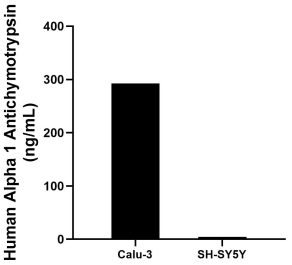
Selected Validation Data



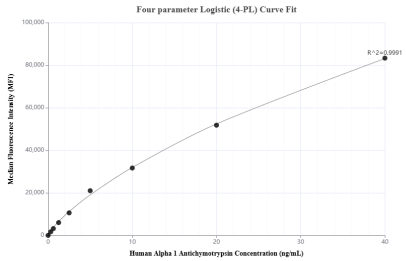
Sandwich ELISA standard curve of MP03795-1, Human Alpha 1 Antichymotrypsin Recombinant Matched Antibody Pair - PBS only. 88540-9-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg12047. 88540-8-PBS was HRP conjugated as the detection antibody. Range: 0.195-12.5 ng/mL



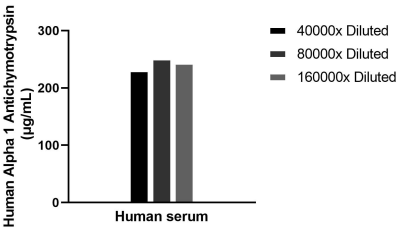
Serum of six individual healthy human donors was measured. The human Alpha 1 Antichymotrypsin concentration of detected samples was determined to be 28,096.24 ng/mL with a range of 21,727.06 - 39,882.54 ng/mL.



The mean Alpha 1 Antichymotrypsin concentration was determined to be 292.43 ng/mL in Calu-3 cell extract based on a 1.2 mg/mL extract load and 4.23 ng/mL in SH-SY5Y cell extract based on a 1.2 mg/mL extract load.



Cytometric bead array standard curve of MP03795-1, Alpha 1 Antichymotrypsin Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 88540-9-PBS. Detection antibody: 88540-8-PBS. Standard: Eg12047. Range: 0.312-40 ng/mL.



The mean Alpha 1 Antichymotrypsin concentration was determined to be 241.7 µg/mL in human serum.