For Research Use Only

SERPINA3 Recombinant monoclonal antibody, PBS Only (Detector)

Catalog Number:88540-8-PBS

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

Basic Information

Catalog Number:
88540-8-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
EG12047

GenBank Accession Number:
NM_001085.5

GeneID (NCBI):
12

UNIPROT ID:
P01011-1

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

Calculated MW:
48 kDa

Purification Method:
Protein A purification

CloneNo.:
262127G7

Applications

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

Species Specificity:
human

Product Information

88540-8-PBS targets SERPINA3 as part of a matched antibody pair:

MP03795-1: 88540-9-PBS capture and 88540-8-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.

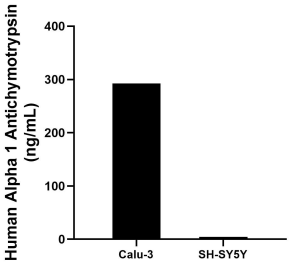
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

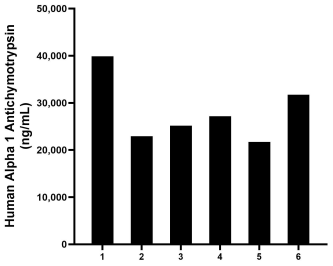
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

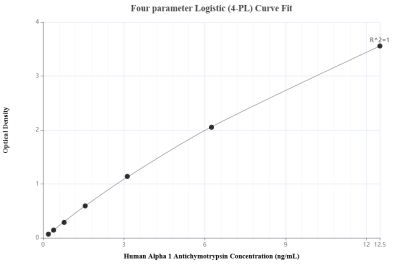
Selected Validation Data



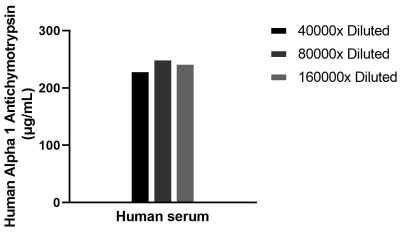
The mean Alpha 1 Antichymotrypsin concentration was determined to be 292.43 ng/mL in Calu-3 cell extract based on a 1.2 mg/mL extract load and 4.23 ng/mL in SH-SY5Y cell extract based on a 1.2 mg/mL extract load.



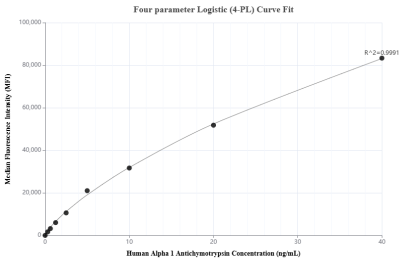
Serum of six individual healthy human donors was measured. The human Alpha 1 Antichymotrypsin concentration of detected samples was determined to be 28,096.24 ng/mL with a range of 21,727.06 - 39,882.54 ng/mL.



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



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



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.