For Research Use Only

C1 inhibitor Recombinant monoclonal antibody, PBS Only (Capture)

Catalog Number:82731-7-PBS

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

Basic Information

Catalog Number:
82731-7-PBS

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

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
EG9525

GenBank Accession Number:
NM_000062.3

GeneID (NCBI):
710

UNIPROT ID:
P05155-1

Full Name:
serpin peptidase inhibitor, clade G (C1 inhibitor), member 1

Calculated MW:
55 kDa

Purification Method:
Protein A purification

CloneNo.:
260722F6

Applications

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

Species Specificity:
human

Product Information

82731-7-PBS targets C1 inhibitor as part of a matched antibody pair:

MP03479-1: 82731-7-PBS capture and 82731-6-PBS detection (validated in Cytometric bead array)

MP03479-2: 82731-7-PBS capture and 82731-8-PBS detection (validated in 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.

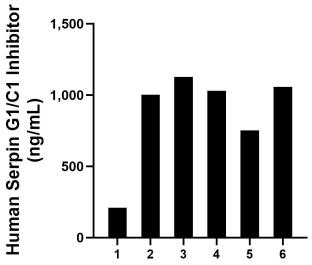
Storage

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

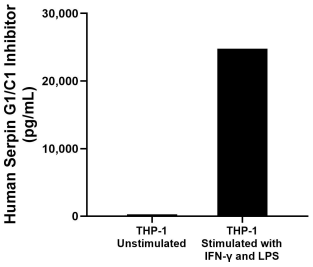
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

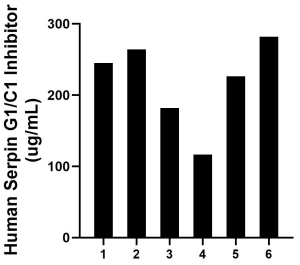
Selected Validation Data



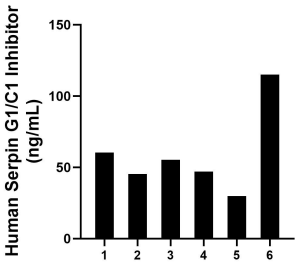
Human milk of six individual healthy human donors was measured. The Serpin G1/C1 Inhibitor concentration of detected samples was determined to be 863.0 ng/mL with a range of 210.2-1,126.9 ng/mL.



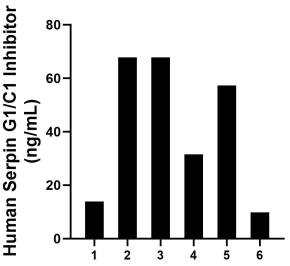
THP-1 cells were cultured unstimulated or stimulated with 1.0 ug/mL human IFN-γ and 1.0 ug/mL LPS for 1 day. The mean Serpin G1/C1 Inhibitor concentration was determined to be 257.9 pg/mL in unstimulated THP-1 supernatant, 24,770.1 pg/mL in stimulated THP-1 supernatant.



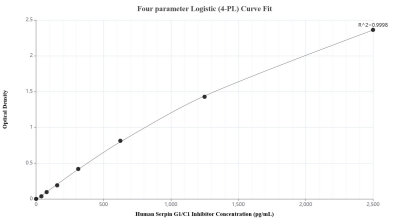
Plasma of six individual healthy human donors was measured. The Serpin G1/C1 Inhibitor concentration of detected samples was determined to be 219.3 ug/mL with a range of 116.5-281.7 ug/mL.



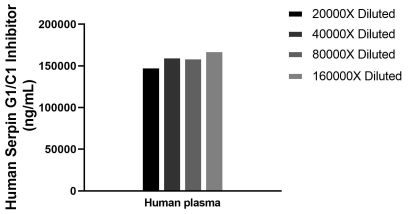
Saliva of six individual healthy human donors was measured. The Serpin G1/C1 Inhibitor concentration of detected samples was determined to be 58.8 ng/mL with a range of 29.8-115.1 ng/mL.



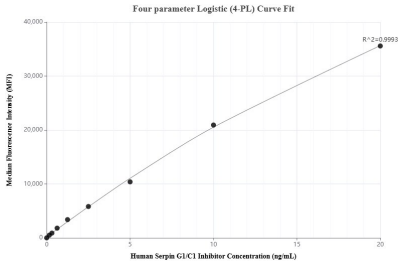
Urine of six individual healthy human donors was measured. The Serpin G1/C1 Inhibitor concentration of detected samples was determined to be 41.4 ng/mL with a range of 9.8-67.8 ng/mL.



Sandwich ELISA standard curve of MP03479-2, Human Serpin G1/C1 Inhibitor Recombinant Matched Antibody Pair - PBS only. 82731-7-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg9525. 82731-8-PBS was HRP conjugated as the detection antibody. Range: 39.1-2500 pg/mL.



The mean Serpin G1/C1 Inhibitor concentration was determined to be 159401 ng/mL in human plasma.



Cytometric bead array standard curve of MP03479-1, Serpin G1/C1 Inhibitor Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 82731-7-PBS. Detection antibody: 82731-6-PBS. Standard: Eg9525. Range: 0.156-20 ng/mL.