For Research Use Only

Serpin G1/C1 Inhibitor Recombinant Matched Antibody Pair, PBS Only

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

Catalog Number:MP03479-2

Capture Antibody Information

Catalog Number:
82731-7-PBS

Clone ID:
260722F6

Conjugate:
Unconjugated

Host:
Rabbit

Reactivity:
human

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

Isotype:
IgG

GenBank:
NM_000062.3

Gene ID:
710

Purification Method:
Protein A purification

Immunogen Catalog Number:
Eg9525

Detection Antibody Information

Catalog Number:
82731-8-PBS

Clone ID:
260722D12

Conjugate:
Unconjugated

Host:
Rabbit

Reactivity:
human

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

Isotype:
IgG

GenBank:
NM_000062.3

Gene ID:
710

Purification Method:
Protein A purification

Immunogen Catalog Number:
Eg9525

Applications

Tested Applications:
Sandwich ELISA

Range:
39.1-2500 pg/mL (Sandwich ELISA)

Recommended Dilutions:
It is recommended that this reagent should be titrated in each testing system to obtain optimal results.

Product Information

MP03479-2 targets Serpin G1/C1 Inhibitor in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: C1 inhibitor Recombinant monoclonal antibody, PBS Only (Capture) 82731-7-PBS (260722F6). 100 μg. Concentration 1 mg/ml.

Detection antibody: C1 inhibitor Recombinant monoclonal antibody, PBS Only (Detector) 82731-8-PBS (260722D12). 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.

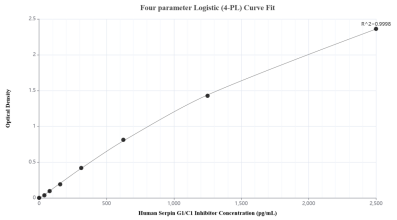
Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage buffer:
PBS only

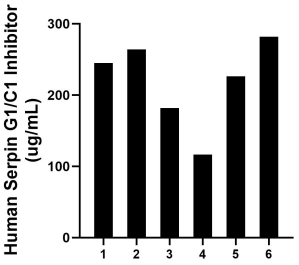
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

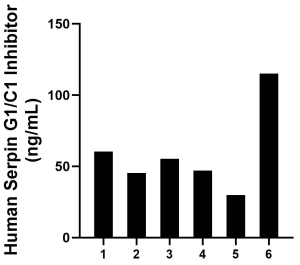
Selected Validation Data



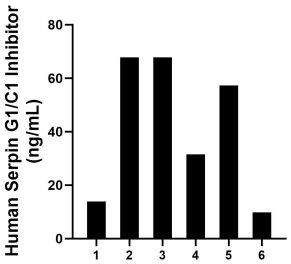
Sandwich ELISA standard curve of MP03479-2, Human Serpin G1/C1 Inhibitor Recombinant Matched Antibody Pair - PBS only. 82731-7-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg9525. 82731-8-PBS was HRP conjugated as the detection antibody. Range: 39.1-2500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



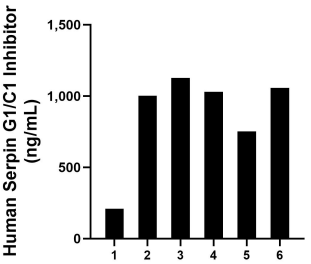
Plasma of six individual healthy human donors was measured. The Serpin G1/C1 Inhibitor concentration of detected samples was determined to be 219.3 ug/mL with a range of 116.5-281.7 ug/mL.



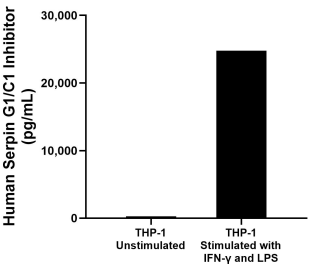
Saliva of six individual healthy human donors was measured. The Serpin G1/C1 Inhibitor concentration of detected samples was determined to be 58.8 ng/mL with a range of 29.8-115.1 ng/mL.



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.



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.