

IL-16 Recombinant Matched Antibody Pair, PBS Only

Catalog Number: **MP02772-2**

Capture Antibody Information

Catalog Number:
86927-5-PBS
Host:
Rabbit
Isotype:
IgG
Purification Method:
Protein A purification

Clone ID:
251661D6
Reactivity:
human
Immunogen Catalog Number:
Eg4831

Conjugate:
Unconjugated
Full name:
interleukin 16 (lymphocyte chemoattractant factor)
Gene ID:
3603

Detection Antibody Information

Catalog Number:
86927-4-PBS
Host:
Rabbit
Isotype:
IgG
Purification Method:
Protein A purification

Clone ID:
251661F6
Reactivity:
human
GenBank:
AAC12732.1
Immunogen Catalog Number:
Eg4831

Conjugate:
Unconjugated
Full name:
interleukin 16 (lymphocyte chemoattractant factor)
Gene ID:
3603

Applications

Tested Applications:
Sandwich ELISA

Range:
78.1-2500 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

MP02772-2 targets IL-16 in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: IL-16 Recombinant monoclonal antibody, PBS Only (Capture) 86927-5-PBS (251661D6). 100 µg. Concentration 1 mg/mL.

Detection antibody: IL-16 Recombinant monoclonal antibody, PBS Only (Detector) 86927-4-PBS (251661F6). 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

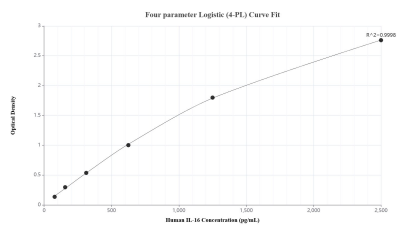
For technical support and original validation data for this product please contact:

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

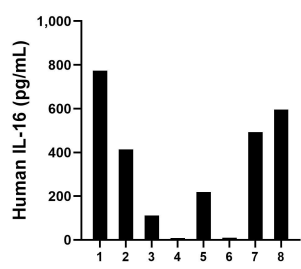
E: proteintech@ptglab.com
W: ptglab.com

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

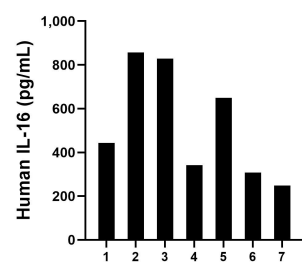
Selected Validation Data



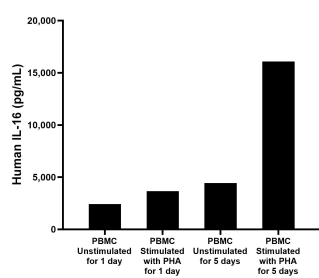
Sandwich ELISA standard curve of MP02772-2, Human IL-16 Recombinant Matched Antibody Pair - PBS only. 86927-5-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg4831. 86927-4-PBS was biotinylated as the detection antibody. Range: 78.1-2500 pg/mL



Serum of eight individual healthy human donors was measured. The IL-16 concentration of detected samples was determined to be 327.9 pg/mL with a range of 8.0-773.7 pg/mL.



Plasma of seven individual healthy human donors was measured. The IL-16 concentration of detected samples was determined to be 525.1 pg/mL with a range of 248.0-857.4 pg/mL.



Human peripheral blood mononuclear cells (PBMC) were cultured unstimulated or stimulated with 10 ug/mL PHA for 1 day or 5 days. For the PBMC supernatant cultured for 1 day, the mean IL-16 concentration was determined to be 2,424.2 pg/mL in unstimulated PBMC supernatant, 3,654.0 pg/mL in PHA stimulated PBMC supernatant. For the PBMC supernatant cultured for 5 days, the mean IL-16 concentration was determined to be 4,432.6 pg/mL in

