

CD18 Recombinant Matched Antibody Pair, PBS Only

Catalog Number: **MP03188-1**

Capture Antibody Information

Catalog Number:
87449-3-PBS
Host:
Rabbit
Isotype:
IgG
Purification Method:
Protein A purification

Clone ID:
252742A3
Reactivity:
human
Immunogen Catalog Number:
Eg10481

Conjugate:
Unconjugated
Full name:
integrin, beta 2 (complement component 3 receptor 3 and 4 subunit)
Gene ID:
3689

Detection Antibody Information

Catalog Number:
87449-2-PBS
Host:
Rabbit
Isotype:
IgG
Purification Method:
Protein A purification

Clone ID:
252742C8
Reactivity:
human
GenBank:
Immunogen Catalog Number:
Eg10481

Conjugate:
Unconjugated
Full name:
integrin, beta 2 (complement component 3 receptor 3 and 4 subunit)
Gene ID:
3689

Applications

Tested Applications:
Sandwich ELISA

Range:
15.6-1000 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

MP03188-1 targets CD18 in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: ITB2 Recombinant monoclonal antibody, PBS Only (Capture) 87449-3-PBS (252742A3). 100 µg. Concentration 1 mg/mL.

Detection antibody: ITB2 Recombinant monoclonal antibody, PBS Only (Detector) 87449-2-PBS (252742C8). 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

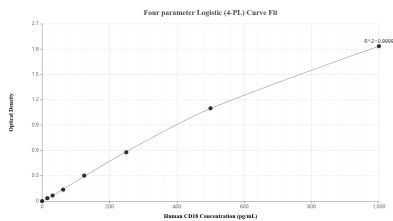
For technical support and original validation data for this product please contact:

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

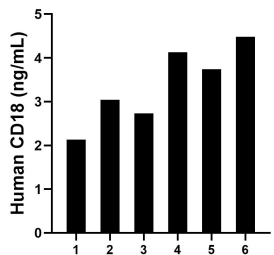
E: proteintech@ptglab.com
W: ptglab.com

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

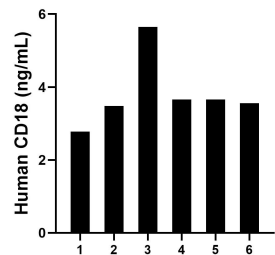
Selected Validation Data



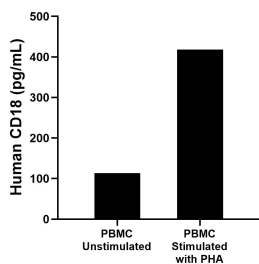
Sandwich ELISA standard curve of MP03188-1, Human CD18 Recombinant Matched Antibody Pair - PBS only. 87449-3-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg10481. 87449-2-PBS was HRP conjugated as the detection antibody. Range: 15.6-1000 pg/mL



Serum of six individual healthy human donors was measured. The CD18 concentration of detected samples was determined to be 3.4 ng/mL with a range of 2.1-4.5 ng/mL



Plasma of six individual healthy human donors was measured. The CD18 concentration of detected samples was determined to be 3.8 ng/mL with a range of 2.8-5.6 ng/mL



Human peripheral blood mononuclear cells (PBMC) were cultured unstimulated or stimulated with 10 µg/mL PHA for 3 days. The mean CD18 concentration was determined to be 113.4 pg/mL in unstimulated PBMC supernatant, 418.4 pg/mL in PHA stimulated PBMC supernatant.