

CD11b Recombinant Matched Antibody Pair, PBS Only

Catalog Number: **MP03107-1**

Capture Antibody Information

Catalog Number:
87650-2-PBS

Host:
Rabbit

Isotype:
IgG

Purification Method:
Protein A purification

Clone ID:
252751A5

Reactivity:
human

GenBank:

Immunogen Catalog Number:
Eg10485

Conjugate:
Unconjugated

Full name:
integrin, alpha M (complement component 3 receptor 3 subunit)

Gene ID:
3684

Detection Antibody Information

Catalog Number:
87650-1-PBS

Host:
Rabbit

Isotype:
IgG

Purification Method:
Protein A purification

Clone ID:
252751B5

Reactivity:
human

GenBank:

Immunogen Catalog Number:
Eg10485

Conjugate:
Unconjugated

Full name:
integrin, alpha M (complement component 3 receptor 3 subunit)

Gene ID:
3684

Applications

Tested Applications:
Cytometric bead array, Sandwich ELISA

Range:
0.156-20 ng/mL (Cytometric Bead Array)
3.91-250 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

MP03107-1 targets CD11b in immunoassays as a matched antibody pair. Validated in Cytometric bead array, Sandwich ELISA.

Capture antibody: ITAM Recombinant monoclonal antibody, PBS Only (Capture) 87650-2-PBS (252751A5). 100 µg. Concentration 1 mg/mL.

Detection antibody: ITAM Recombinant monoclonal antibody, PBS Only (Detector) 87650-1-PBS (252751B5). 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.

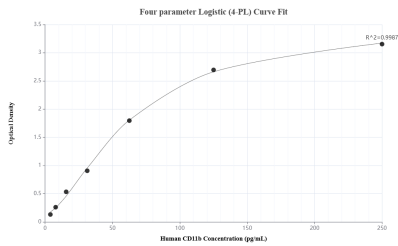
Antibody use should be optimized for each application and assay.

Storage

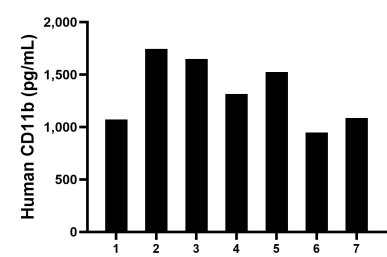
Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage buffer:
PBS only

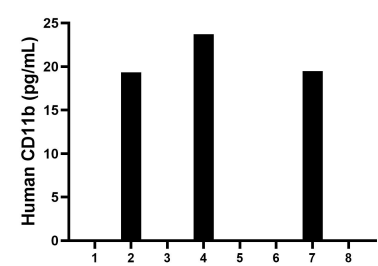
Selected Validation Data



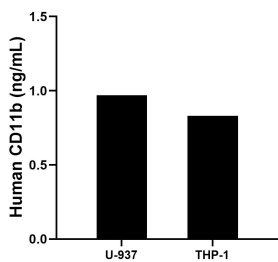
Sandwich ELISA standard curve of MP03107-1, Human CD11b Recombinant Matched Antibody Pair - PBS only. 87650-2-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg10485. 87650-1-PBS was HRP conjugated as the detection antibody. Range: 3.91-250 pg/mL



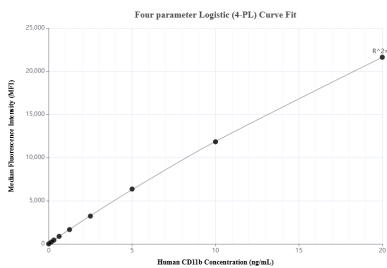
Serum of seven individual healthy human donors was measured. The human CD11b concentration of detected samples was determined to be 1,334.1 pg/mL with a range of 946.7-1,743.5 pg/mL



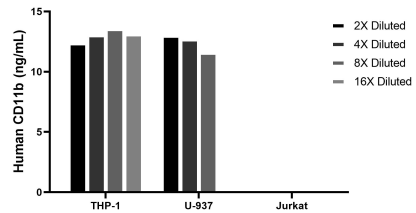
Urine of eight individual healthy human donors was measured. The human CD11b concentration of detected samples was determined to be 20.8 pg/mL with a range of ND-23.7 pg/mL



The mean CD11b concentration was determined to be 0.97 ng/mL in U-937 cell extract based on a 1.2 mg/mL extract load and 0.83 ng/mL in THP-1 cell extract based on a 1.2 mg/mL extract load.



Cytometric bead array standard curve of MP03107-1, CD11b Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 87650-2-PBS. Detection antibody: 87650-1-PBS. Standard: Eg10485. Range: 0.156-20 ng/mL



The mean CD11b concentration was determined to be 13.0 ng/mL in THP-1 cell extract based on a 1.2 mg/mL extract load, 12.4 ng/mL in U-937 cell extract based on a 2.6 mg/mL extract load, Jurkat cell extract were served as a negative control.