

Complement Factor I Recombinant Matched Antibody Pair, PBS Only

Catalog Number: MP02904-1

Capture Antibody Information

Catalog Number:
87109-3-PBS
Host:
Rabbit
Isotype:
IgG
Purification Method:
Protein A purification

Clone ID:
252199D10
Reactivity:
human
GenBank:
NM_000204.5
Immunogen Catalog Number:
Eg3066

Conjugate:
Unconjugated
Full name:
complement factor I
Gene ID:
3426

Detection Antibody Information

Catalog Number:
87109-2-PBS
Host:
Rabbit
Isotype:
IgG
Purification Method:
Protein A purification

Clone ID:
252199D1
Reactivity:
human
GenBank:
NM_000204.5
Immunogen Catalog Number:
Eg3066

Conjugate:
Unconjugated
Full name:
complement factor I
Gene ID:
3426

Applications

Tested Applications:
Sandwich ELISA

Range:
0.78-50 ng/mL (Sandwich ELISA)

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

Product Information

MP02904-1 targets Complement Factor I in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: CF1 Recombinant monoclonal antibody, PBS Only (Capture) 87109-3-PBS (252199D10). 100 µg. Concentration 1 mg/mL.

Detection antibody: CF1 Recombinant monoclonal antibody, PBS Only (Detector) 87109-2-PBS (252199D1). 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.

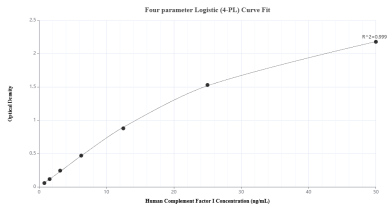
Storage

Storage:
Store at -80°C.

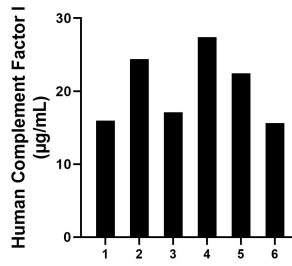
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage buffer:
PBS only

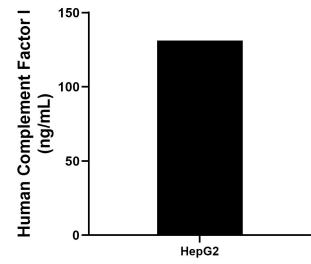
Selected Validation Data



Sandwich ELISA standard curve of MP02904-1, Human Complement Factor I Recombinant Matched Antibody Pair - PBS only. 87109-3-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg3066. 87109-2-PBS was HRP conjugated as the detection antibody. Range: 0.78-50 ng/mL



Plasma of six individual healthy human donors was measured. The human Complement Factor I concentration of detected samples was determined to be 20.49 µg/mL with a range of 15.62 - 27.40 µg/mL.



HepG2 (human hepatocellular carcinoma cells) were cultured in DMEM supplemented with 10% fetal bovine serum, 2.5 mM L-glutamine, 100 U/mL penicillin, and 100 µg/mL streptomycin sulfate. An aliquot of the cell culture supernate was removed, assayed for human Complement Factor I, and measured 131.09 ng/mL.