

Pentraxin 3 Recombinant Matched Antibody Pair, PBS Only

Catalog Number: **MP01014-4**

Capture Antibody Information

Catalog Number:
84096-2-PBS
Host:
Rabbit
Isotype:
IgG
Purification Method:
Protein A purification

Clone ID:
241393C10
Reactivity:
human

Conjugate:
Unconjugated
Full name:
pentraxin-related gene, rapidly induced by IL-1 beta
Gene ID:
5806

Detection Antibody Information

Catalog Number:
84096-4-PBS
Host:
Rabbit
Isotype:
IgG
Purification Method:
Protein A purification

Clone ID:
241393G1
Reactivity:
human
GenBank:
NM_002852.4

Conjugate:
Unconjugated
Full name:
pentraxin-related gene, rapidly induced by IL-1 beta
Gene ID:
5806

Applications

Tested Applications:
Sandwich ELISA

Range:
19.5-1250 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

MP01014-4 targets Pentraxin 3 in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: PTX3 Recombinant antibody, PBS Only (Capture/Detector) 84096-2-PBS (241393C10). 100 µg. Concentration 1 mg/mL.

Detection antibody: PTX3 Recombinant antibody, PBS Only (Capture/Detector) 84096-4-PBS (241393G1). 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.

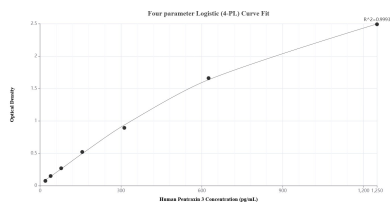
Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs.

Antibody use should be optimized for each application and assay.

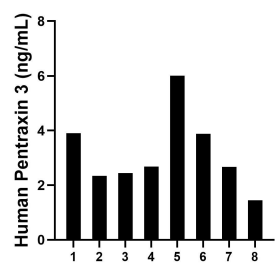
Storage

Storage:
Store at -80°C.
Storage buffer:
PBS only

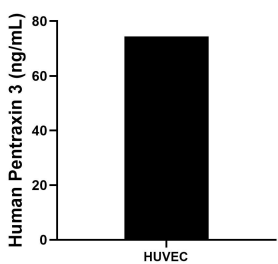
Selected Validation Data



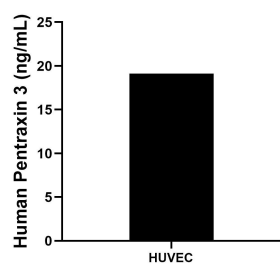
Sandwich ELISA standard curve of MP01014-4, Human Pentraxin 3 Recombinant Matched Antibody Pair - PBS only. 84096-2-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg1303. 84096-4-PBS was HRP conjugated as the detection antibody. Range: 19.5-1250 pg/mL.



Serum of eight individual healthy human donors was measured. The Pentraxin 3 concentration of detected samples was determined to be 3.2 ng/mL with a range of 1.5-6.0 ng/mL.



HUVEC 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 Pentraxin 3, and measured 74.4 ng/mL.



The mean Pentraxin 3 concentration was determined to be 19.1 ng/mL in HUVEC cell extract based on a 1.1 mg/mL extract load.