Product Datasheet

Human CRP Matched Antibody Pair Kit PSA821Hu01 (96T x 5)

[Products overview]

Matched Antibody Pair Kit is composed of unlabeled capture antibody, Biotinylated detection antibody and a calibrated protein standard. The Matched Antibody Pair Kit can potentially be used for quantifying natural and recombinant human C Reactive Protein (CRP) in ELISA, CLIA, ELISPOT, Luminex, Immunochromatography and other immunoassays. The Standard in the kit is recombinant CRP . Both capture and detection antibody are mouse monoclonal antibodies.

[Components And Properties]

Components	Quantity	Form
Standard	5μg	Lyophilized, 1 vial
Capture Antibody	200μg / 0.4mL	Liquid, 1 vial, contains 0.1% sodium azide
Biotinylated Detection Antibody	50μg / 0.25mL	Liquid, 1 vial, contains 0.1% sodium azide

Notes: The kit contains raw materials for approximately 96 Tests x 5 plates. However, individual results may vary depending on the researcher's assay protocol and other variables.

[Recommended Buffers and Solutions]

Cloud-Clone's product of Assay Kit Antibody Pairs Support Pack 1 (Cat # IS077), which includes Coating Buffer, Blocking Buffer, Standard Diluent, Detection Antibody Diluent, Streptavidin-HRP Diluent, Wash Buffer, Streptavidin-HRP, Substrate Solution, Stop Solution is highly recommended for reagent preparation.

[Recommended Range / Dilution]

Standard: Reconstitute the Standard with 1.0mL of Standard Diluent (Cat # IS077). The recommended Range of Standard curve is 62.5-4,000pg/mL.

Capture Antibody: Dilute 125 times with Coating Buffer (Cat # IS077). For example, to make enough for 1 plate, add 80uL capture antibody to 9.92mL Coating Buffer.

Biotinylated Detection Antibody: Dilute 200 times with Detection Antibody Diluent (Cat # IS077). For example, to make enough for 1 plate, add 50uL Biotinylated Detection Antibody to 9.95mL Antibody Dilution Buffer.

Notes: The recommended Cloud-Clone's products of diluents and buffers are validated in the lab, other reagents selected for use can alter the performance of an immunoassay.

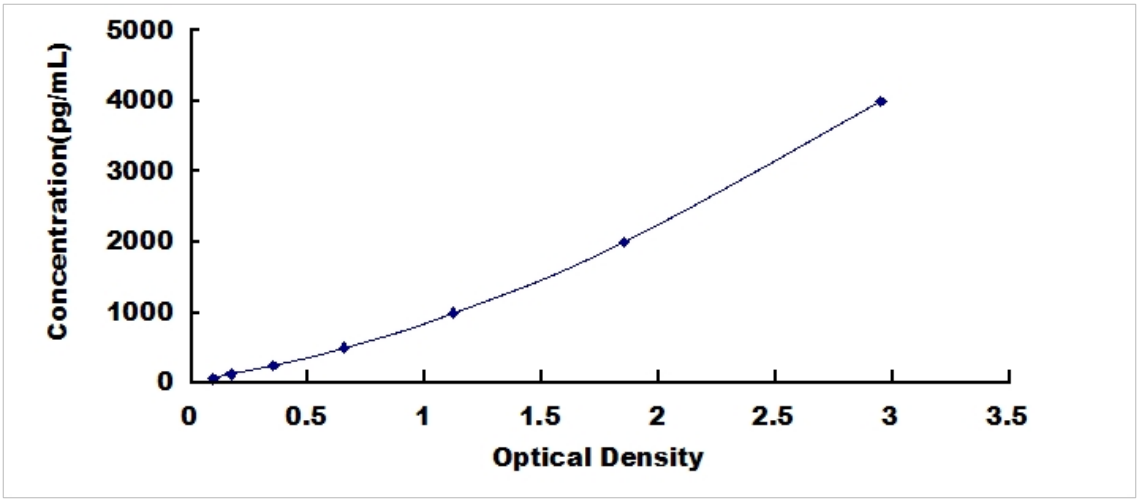
[Storage]

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -20°C for 12 months. Please make all solutions fresh before the experiment.

Notes: Please avoid contamination.

[Typical Data]

Typical standard curve below is provided for reference only. A standard curve should be generated for each experiment.



[Recommended Assay Protocol]

1. Dilute the Capture Antibody to working concentration in Coating Buffer. Immediately coat the 96-well microplates with 100μL per well of the diluted Capture Antibody. Seal the plate and incubate overnight at 4°C or incubate at 37°C for 2 hours.

2. Aspirate wells and wash with 350μL of Wash Buffer (Cat # IS077) per well, and let it sit for 1~2 minutes. Remove the remaining liquid by inverting and tapping the plate on absorbent paper.

3. Block plate with 200μL per well of Blocking Buffer (Cat # IS077) for 1.5 hours at 37°C.

4. Repeat the aspiration/wash process as in Step 2.

5. Add 100μL of different concentration of standards, samples into the appropriate wells. Cover with the Plate sealer. Incubate for 1 hour at 37°C.

6. Repeat the aspiration/wash process as in Step 2.

7. Add 100μL of the working Biotinylated Detection Antibody working solution to each well, cover the wells, and incubate for 1 hour at 37°C.

8. Repeat the aspiration/wash process for 3 times as in Step 2.

9. Add 100μL of the working solution of Streptavidin-HRP (Cat # IS077) to each well, cover the wells, and incubate for 30 minutes at 37°C.

10. Repeat the aspiration/wash process for total 5 times as in Step 2.

11. Add 90μL of Substrate Solution (Cat # IS077) to each well. Cover the wells, and incubate for 10-20 minutes at 37°C. Protect from light.

12. Add 50μL of Stop Solution (Cat # IS077) to each well. Mix the liquid by tapping the side of the plate.

13. Run the microplate reader and conduct measurement at 450nm immediately.