

Product Datasheet

Human CST4 Matched Antibody Pair Kit PSJ324Hu01 (96T x 10)

[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 be used for quantifying natural and recombinant human Cystatin 4 (CST4) in ELISA, CLIA, ELISPOT, Luminex, Immunochromatography and other immunoassays. The Standard in the kit is recombinant CST4 . Both capture and detection antibody are rabbit polyclonal antibodies.

[Components And Properties]

Components	Quantity	Form
Standard	400 ng	Lyophilized, 1 vial
Capture Antibody	230µg / 0.18mL	Liquid, 1 vial, contains 0.1% sodium azide
Biotinylated Detection Antibody	40µg / 0.08mL	Liquid, 1 vial, contains 0.1% sodium azide

Notes: The kit contains raw materials for approximately 96 Tests x 10 plates. However, individual results may vary depending on the researcher's assay protocol and other variables.

[Recommended Range / Dilution]

Standard: Reconstitute the Standard with 1.0mL of Standard Diluent (Cat # IS051). The recommended Range of Standard curve is 0.312-20ng/mL.

Capture Antibody: Dilute 556 times with Coating Buffer (Cat # IS052). For example, to make enough for 1 plate, add 18uL capture antibody to 9.982mL Coating Buffer.

Biotinylated Detection Antibody: Dilute 1250 times with Antibody Dilution Buffer (Cat # IS053). For example, to make enough for 1 plate, add 8uL Biotinylated Detection Antibody to 9.992mL 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 -80°C for 12 months. Please make all solutions fresh before the experiment.

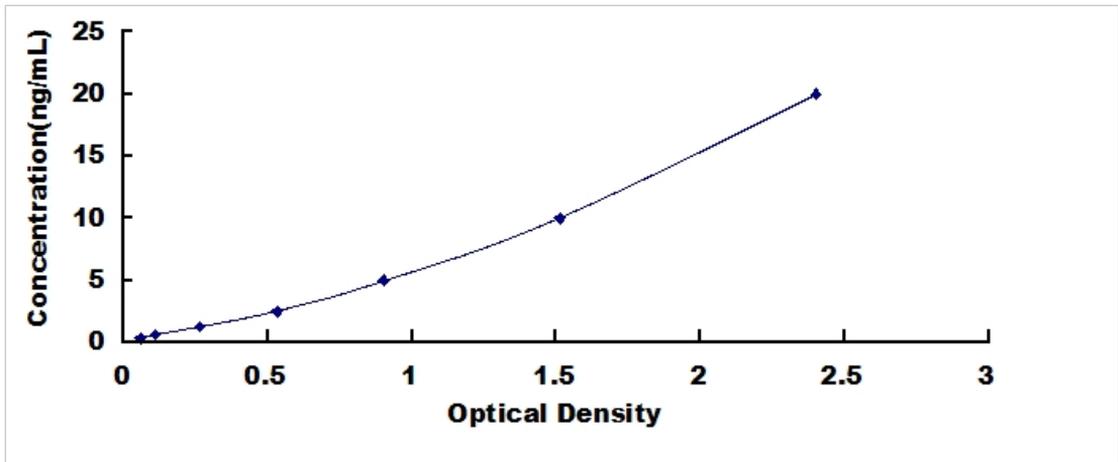
Notes: Please avoid pollution.

[Recommended Buffers and Solutions]

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

[Typical Data]

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



[Recommended Assay Protocol]

1. Dilute the Capture Antibody to working concentration in Coating Buffer. Immediately coat the 96-well microplates with 100 μ L 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 350 μ L of Wash Buffer 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 200 μ L per well of Blocking Buffer for 1.5 hours at 37°C.
4. Repeat the aspiration/wash process as in step 2.
5. Add 100 μ L of different concentration of standards, samples and diluent 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 100 μ L 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 100 μ L of the working solution of Streptavidin-HRP 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 90 μ L of TMB Substrate to each well. Cover the wells, and incubate for 10-20 minutes at 37°C. Protect from light.
12. Add 50 μ L of Stop Solution to each well. Mix the liquid by tapping the side of the plate.
13. Run the microplate reader and conduct measurement at 450nm immediately.