Product Datasheet

Pan-species (General) E1 Matched Antibody Pair Kit PSB003Ge11 (96T x 5)

[Products overview]

Matched Antibody Pair Kit is composed of unlabeled capture antibody, Biotinylated competitor and a calibrated peptide / small molecule standard. The Matched Antibody Pair Kit can potentially be used for quantifying natural Estrone (E1) in ELISA, CLIA, ELISPOT, Luminex, Immunochromatography and other immunoassays. The Standard in the kit is natural E1 . Capture antibody is rabbit polyclonal antibody, while Biotinylated competitor is E1 and BSA coupling complexes.

[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 Competitor	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 2 (Cat # IS078), which

includes Coating Buffer, Blocking Buffer, Standard Diluent, Biotinylated Competitor 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 # IS078). The recommended Range of Standard curve is 24.69 - 2,000pg/mL.

Capture Antibody: Dilute 125 times with Coating Buffer (Cat # IS078). For example, to make enough for 1 plate, add 80uL capture antibody to 9.92mL Coating Buffer.

Biotinylated Competitor: Dilute 200 times with Biotinylated Competitor Diluent (Cat # IS078). For example, to make enough for 1 plate, add 50uL Biotinylated Competitor 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.

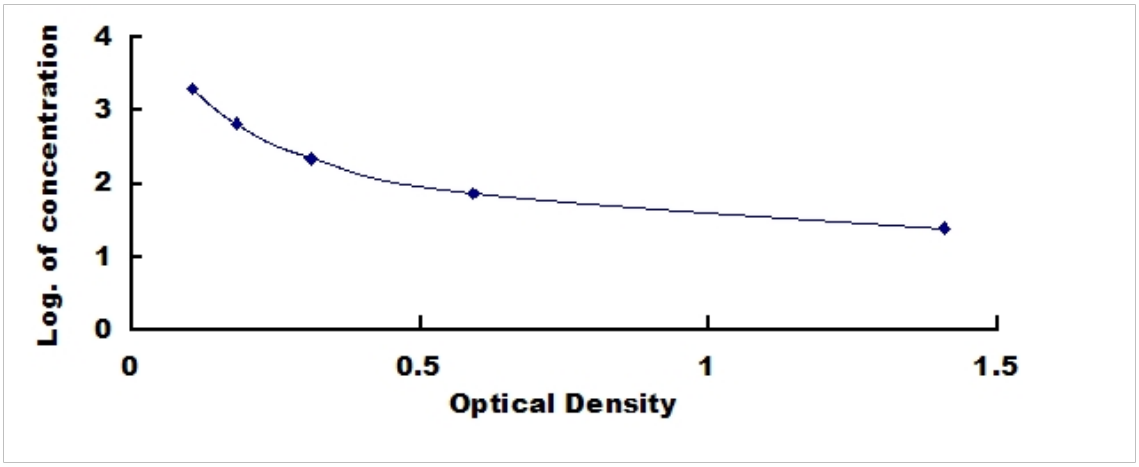
[Storage]

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 # IS078) 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 # IS078) for 1.5 hours at 37°C .

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

5. Add 50μL of different concentrations of standards, samples into the appropriate wells. And then add 50μL of working solution of Biotinylated Competitor to each well immediately. Shake the plate gently (using a microplate shaker is recommended). 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 working solution of Streptavidin-HRP (Cat # IS078) to each well, cover the

wells, and incubate for 30 minutes at 37°C.

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

9. Add 90μL of Substrate Solution (Cat # IS078) to each well. Cover the wells, and incubate for 10 - 20 minutes at 37°C. Protect from light.

10. Add 50μL of Stop Solution (Cat # IS078) to each well. Mix the liquid by tapping the side of the plate.

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