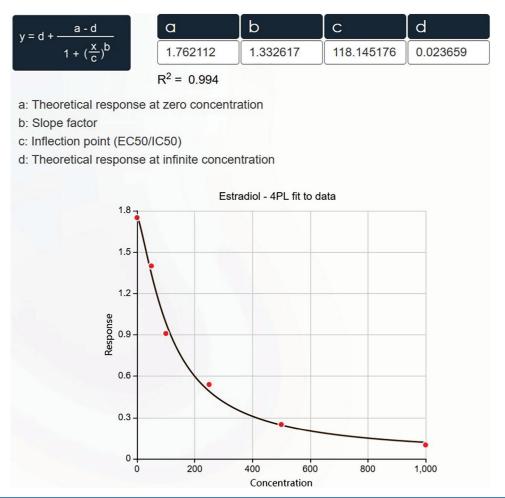
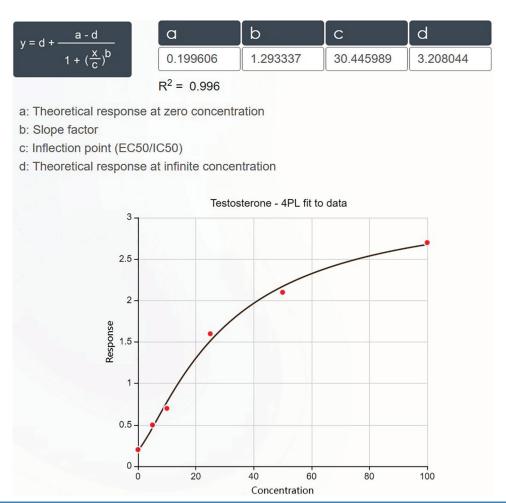
Standard curves were validated by https://www.arigobio.com/elisa-analysis.

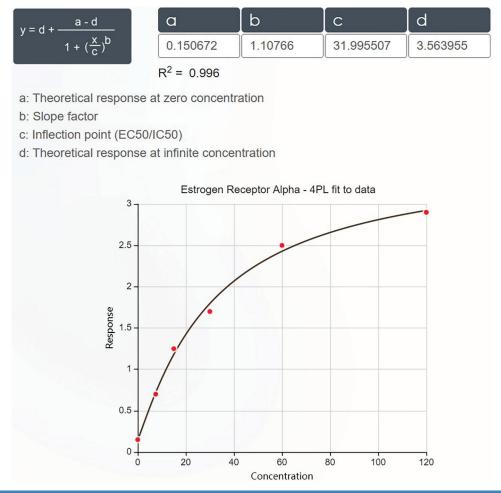


Supplementary figure 1: Elisa standard curve fitting for Estradiol hormone by four parameters logistic (4PL) model. An R<sup>2</sup> value of 1 would be perfect.



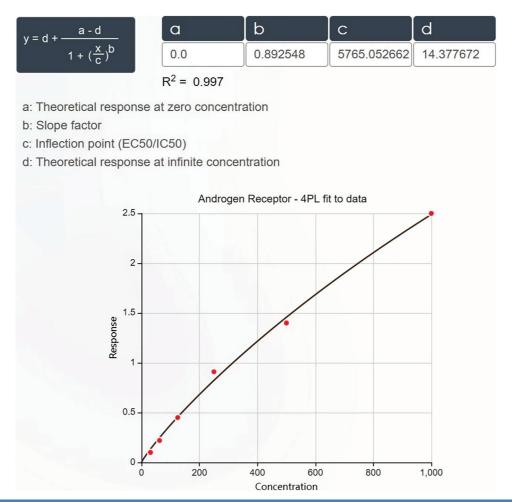
**Supplementary figure 2:** Elisa standard curve fitting for Testosterone hormone by four parameters logistic (4PL) model. An R<sup>2</sup> value of 1 would be perfect.

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Supplementary figure 3: Elisa standard curve fitting for Estrogen Receptor by four parameters logistic (4PL) model. An R<sup>2</sup> value of 1 would be perfect.

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**Supplementary figure 4:** Elisa standard curve fitting for Androgen Receptor by four parameters logistic (4PL) model. An R<sup>2</sup> value of 1 would be perfect.

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