

Product Datasheet

Pregnenolone ELISA Kit (Colorimetric) NBP2-68102

Unit Size: 1 Kit

Storage of components varies. See protocol for specific instructions.

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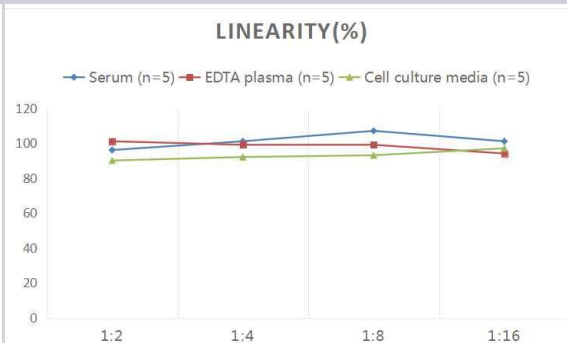


NBP2-68102**Pregnenolone ELISA Kit (Colorimetric)**

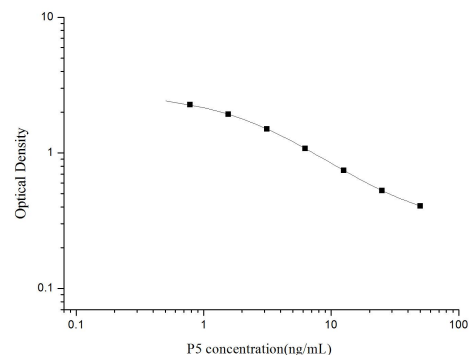
Product Information	
Unit Size	1 Kit
Concentration	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
Storage	Storage of components varies. See protocol for specific instructions.
Product Description	
Specificity/Sensitivity	This kit recognizes Pregnenolone in samples. No significant cross-reactivity or interference between Pregnenolone and analogues was observed.
Kit Components	Micro ELISA Plate (Dismountable), Reference Standard, Concentrated Biotinylated Detection Ab (100x), Concentrated HRP Conjugate (100x), Sample Diluent, Biotinylated Detection Ab Diluent, HRP Conjugate Diluent, Concentrated Wash Buffer (25x), Substrate Reagent, Stop Solution, Plate Sealer, Product Manual
Standard Curve Range	0.78 - 50 ng/mL
Sensitivity	0.47 ng/mL
Inter Assay	%CV < 5.43
Intra Assay	%CV < 4.6
Assay Type	Competitive-ELISA
Spiking Recovery	85 - 108%
Suitable Sample Type	Serum, plasma and other biological fluids
Sample Volume	50 uL
Product Application Details	
Applications	ELISA
Recommended Dilutions	ELISA

Images

ELISA: Pregnenolone ELISA Kit (Colorimetric) [NBP2-68102] - Samples were spiked with high concentrations of Pregnenolone and diluted with Reference Standard & Sample Diluent to produce samples with values within the range of the assay.



ELISA: Pregnenolone ELISA Kit (Colorimetric) [NBP2-68102] - Standard Curve Reference



Publications

Miriam Ferrer, Nicholas Mourikis, Emma E. Davidson, Sam O. Kleeman, Marta Zaccaria, Jill Habel, Rachel Rubino, Qing Gao, Thomas R. Flint, Lisa Young, Claire M. Connell, Michael J. Lukey, Marcus D. Goncalves, Eileen P. White, Ashok R. Venkitaraman, Tobias Janowitz Ketogenic diet promotes tumor ferroptosis but induces relative corticosterone deficiency that accelerates cachexia Cell metabolism 2024-04-23 [PMID: 37311455]

Ferrer M, Mourikis N, Davidson EE et al. Ketogenic diet promotes tumor ferroptosis but induces relative corticosterone deficiency that accelerates cachexia bioRxiv : the preprint server for biology 2023-02-18 [PMID: 36824830] (ELISA, Mouse)

Manna PR, Reddy AP, Pradeepkiran JA et al. Regulation of retinoid mediated StAR transcription and steroidogenesis in hippocampal neuronal cells: Implications for StAR in protecting Alzheimer's disease Biochimica et biophysica acta. Molecular basis of disease 2022-11-07 [PMID: 36356843] (ELISA)

Lu J, Shang X, Yao B et al. The role of CYP1A1/2 in cholesterol ester accumulation provides a new perspective for the treatment of hypercholesterolemia Acta Pharmaceutica Sinica B 2022-08-01 [PMID: 36873188]



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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. ELISA Kits are guaranteed for 6 months from date of receipt.

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