

# Product Datasheet

## Dihydrobiopterin ELISA Kit (Colorimetric) NBP2-74982

Unit Size: 1 Kit

Storage of components varies. See protocol for specific instructions.

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### Publications: 1

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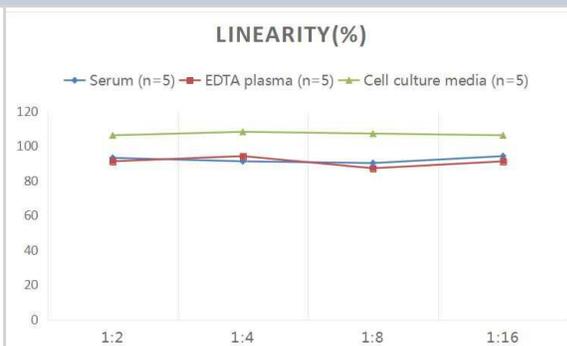


**NBP2-74982****Dihydrobiopterin ELISA Kit (Colorimetric)**

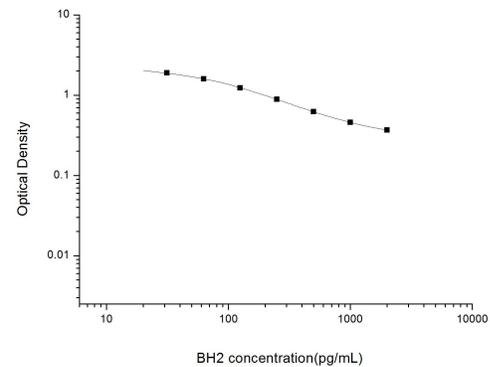
<b>Product Information</b>	
<b>Unit Size</b>	1 Kit
<b>Concentration</b>	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
<b>Storage</b>	Storage of components varies. See protocol for specific instructions.
<b>Product Description</b>	
<b>Specificity/Sensitivity</b>	This kit recognizes Dihydrobiopterin in samples. No significant cross-reactivity or interference between Dihydrobiopterin and analogues was observed.
<b>Kit Components</b>	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
<b>Standard Curve Range</b>	31.25 - 2000 pg/mL
<b>Sensitivity</b>	18.75 pg/mL
<b>Inter Assay</b>	CV% < 5.12%
<b>Intra Assay</b>	CV% < 5.55%
<b>Assay Type</b>	Competitive-ELISA
<b>Spiking Recovery</b>	85-108%
<b>Suitable Sample Type</b>	Serum, plasma and other biological fluids
<b>Sample Volume</b>	50 uL
<b>Product Application Details</b>	
<b>Applications</b>	ELISA
<b>Recommended Dilutions</b>	ELISA

## Images

ELISA: Dihydrobiopterin ELISA Kit (Colorimetric) [NBP2-74982] - Samples were spiked with high concentrations of Dihydrobiopterin and diluted with Reference Standard & Sample Diluent to produce samples with values within the range of the assay.



ELISA: Dihydrobiopterin ELISA Kit (Colorimetric) [NBP2-74982] - Standard Curve Reference



## Publications

Garate-Carrillo A, Navarrete-Yanez V, Ortiz-Vilchis P et al. Arginase inhibition by (-)-Epicatechin reverses endothelial cell aging Eur J Pharmacol 2020-08-11 [PMID: 32795514] (ELISA, Bovine)



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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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