

# Product Datasheet

## Human BMP-3 ELISA Kit (Colorimetric) NBP2-69993

Unit Size: 1 Kit

Storage of components varies. See protocol for specific instructions.

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### Publications: 2

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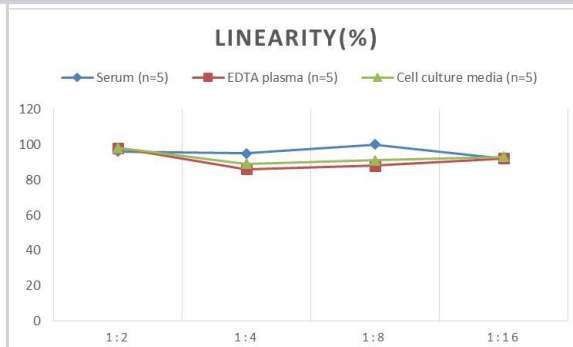
**NBP2-69993****Human BMP-3 ELISA Kit (Colorimetric)**

<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>Gene ID</b>	651
<b>Gene Symbol</b>	BMP3
<b>Species</b>	Human
<b>Specificity/Sensitivity</b>	This kit recognizes Human BMP-3 in samples. No significant cross-reactivity or interference between Human BMP-3 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>	0.16 - 10 ng/mL
<b>Sensitivity</b>	0.10 ng/mL
<b>Inter Assay</b>	CV% < 6.07%
<b>Intra Assay</b>	CV% < 4.48%
<b>Assay Type</b>	Sandwich-ELISA
<b>Spiking Recovery</b>	89-108%
<b>Suitable Sample Type</b>	Serum, plasma and other biological fluids
<b>Sample Volume</b>	100 uL
<b>Product Application Details</b>	
<b>Applications</b>	ELISA
<b>Recommended Dilutions</b>	ELISA

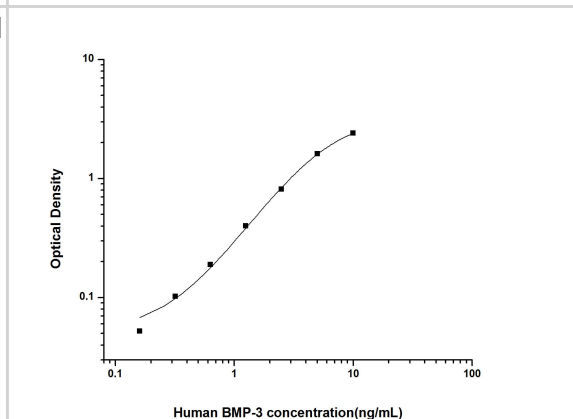


## Images

ELISA: Human BMP-3 ELISA Kit (Colorimetric) [NBP2-69993] - Samples were spiked with high concentrations of Human BMP-3 and diluted with Reference Standard & Sample Diluent to produce samples with values within the range of the assay.



ELISA: Human BMP-3 ELISA Kit (Colorimetric) [NBP2-69993] - Standard Curve Reference



## Publications

Shiwei Xie, Chenyang Zhao, Wei Chen, Gengwu Li, Zhiwei Xiong, Xiangjun Tang, Fan Zhang, Heng Xiao  
Recombinant human bone morphogenetic protein 2 and 7 inhibit the degeneration of intervertebral discs by blocking the Puma-dependent apoptotic signaling International Journal of Biological Sciences 2021-01-01 [PMID: 34239363]

Venkatesan JK, Schmitt G, Speicher-Mentges S et al. Effects of rAAV-mediated overexpression of bone morphogenetic protein 3 (BMP-3) on the chondrogenic fate of human bone marrow-derived mesenchymal stromal cells Human gene therapy 2022-06-18 [PMID: 35722904] (ELISA)



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### **Products Related to NBP2-69993**

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NBP2-61322-1mg	Recombinant Human BMP-3 Protein
210-TA-005	TNF-alpha [Unconjugated]
113-BP-100/CF	BMP-3
233-FB-025	FGF basic/FGF2/bFGF [Unconjugated]

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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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