

# Product Datasheet

## Rat BMP-7 ELISA Kit (Colorimetric) NBP2-70002

Unit Size: 1 Kit

Storage of components varies. See protocol for specific instructions.

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### Publications: 1

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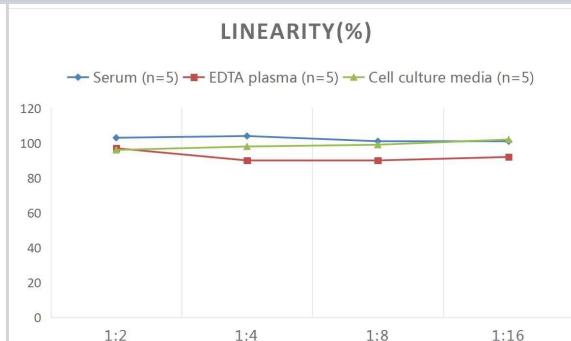
**NBP2-70002****Rat BMP-7 ELISA Kit (Colorimetric)**

<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>	655
<b>Gene Symbol</b>	BMP7
<b>Species</b>	Rat
<b>Specificity/Sensitivity</b>	This kit recognizes Rat BMP-7 in samples. No significant cross-reactivity or interference between Rat BMP-7 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>	15.63 - 1000 pg/mL
<b>Sensitivity</b>	9.38 pg/mL
<b>Inter Assay</b>	CV% < 5.03%
<b>Intra Assay</b>	CV% < 5.61%
<b>Assay Type</b>	Sandwich-ELISA
<b>Spiking Recovery</b>	84-106%
<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

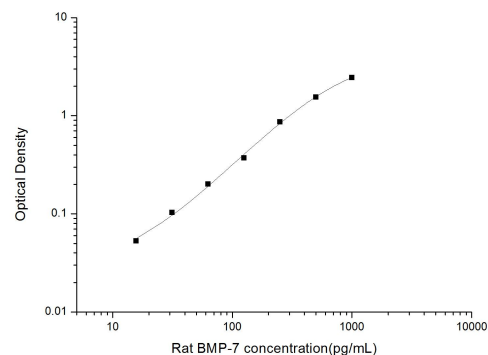


## Images

ELISA: Rat BMP-7 ELISA Kit (Colorimetric) [NBP2-70002] - Samples were spiked with high concentrations of Rat BMP-7 and diluted with Reference Standard & Sample Diluent to produce samples with values within the range of the assay.



ELISA: Rat BMP-7 ELISA Kit (Colorimetric) [NBP2-70002] - Standard Curve Reference



## Publications

Yu XJ, Wang YG, Lu R et al. BMP7 ameliorates intervertebral disc degeneration in type 1 diabetic rats by inhibiting pyroptosis of nucleus pulposus cells and NLRP3 inflammasome activity Molecular medicine (Cambridge, Mass.) 2023 -03-01 [PMID: 36858954]



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### **Products Related to NBP2-70002**

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NBP2-34933-10ug	Recombinant Human BMP-7 Protein
DVE00	VEGF [HRP]
354-BP-010	BMP-7 [Unconjugated]
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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