

Product Datasheet

Rat Osteocalcin ELISA Kit (Colorimetric) NBP2-68153

Unit Size: 1 Kit

Storage of components varies. See protocol for specific instructions.

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Publications: 6

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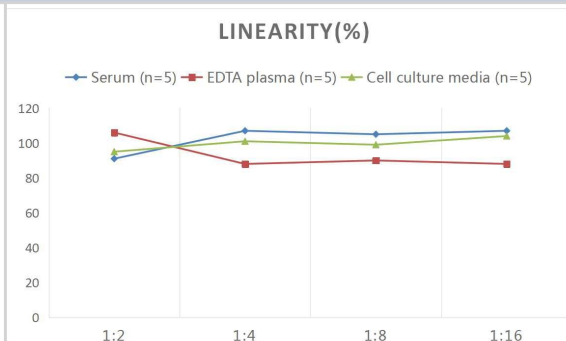
NBP2-68153**Rat Osteocalcin ELISA Kit (Colorimetric)**

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	
Gene ID	632
Gene Symbol	BGLAP
Species	Rat
Specificity/Sensitivity	This kit recognizes Rat OC/BGP in samples. No significant cross-reactivity or interference between Rat OC/BGP 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% < 5.33%
Intra Assay	CV% < 5.02%
Assay Type	Sandwich-ELISA
Spiking Recovery	85-109%
Suitable Sample Type	Serum, plasma and other biological fluids
Sample Volume	100 uL
Product Application Details	
Applications	ELISA
Recommended Dilutions	ELISA

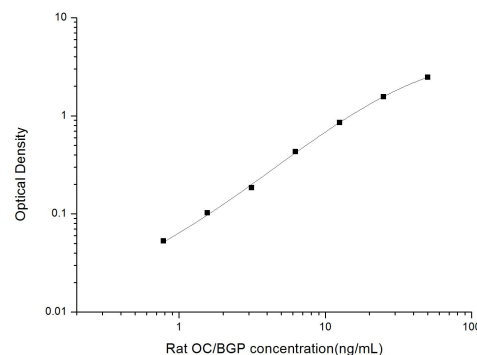


Images

ELISA: Rat Osteocalcin ELISA Kit (Colorimetric) [NBP2-68153] - Samples were spiked with high concentrations of Rat Osteocalcin and diluted with Reference Standard & Sample Diluent to produce samples with values within the range of the assay.



ELISA: Rat Osteocalcin ELISA Kit (Colorimetric) [NBP2-68153] - Standard Curve Reference



Publications

Stacy Schkoda, Brian Horman, Shannah K. Witchey, Anton Jansson, Soraia Macari, Heather B. Patisaul Skeletal effects following developmental flame-retardant exposure are specific to sex and chemical class in the adult Wistar rat *Frontiers in Toxicology* 2023-07-27 [PMID: 37577032]

Elseweidy MM, Ali AE, Hassanin SM, Mahmoud YK Empagliflozin ameliorates liver fibrosis in NASH rat model via targeting hepatic NF- κ B/SOX9/OPN signaling and osteocalcin level *Naunyn-Schmiedeberg's archives of pharmacology* 2023-11-14 [PMID: 37962587] (ELISA, Rat)

Ishikawa M, Kanzaki H, Kodera R et al. Early diagnosis of aortic calcification through dental X-ray examination for dental pulp stones *Research Square* 2023-08-16 (ELISA)

Huang Y, Dou Y, Yang B et al. Nicotinamide mononucleotide supplementation mitigates osteopenia induced by modeled microgravity in rats *Cell stress & chaperones* 2023-05-17 [PMID: 37195399] (ELISA)

Zhang Z, Yue L, Wang Y et al. A circRNA-miRNA-mRNA network plays a role in the protective effect of diosgenin on alveolar bone loss in ovariectomized rats *BMC Complement Med Ther* 2020-07-14 [PMID: 32664914]

Malek-Khatabi A, Javar Ha, Dashtimoghadam E et Al. In situ bone tissue engineering using gene delivery nanocomplexes *Acta Biomater* 2020-03-08 [PMID: 32160962] (ELISA, Rat)



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Products Related to NBP2-68153

H00000632-P01-10ug	Recombinant Human Osteocalcin GST (N-Term) Protein
291-G1-200	IGF-I/IGF-1 [Unconjugated]
MAB1419	Osteocalcin Antibody (190125)
AF808	Osteopontin/OPN Antibody [Unconjugated]

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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