

Product Datasheet

Rat CTX-1 ELISA Kit (Colorimetric) NBP2-69077

Unit Size: 1 Kit

Storage of components varies. See protocol for specific instructions.

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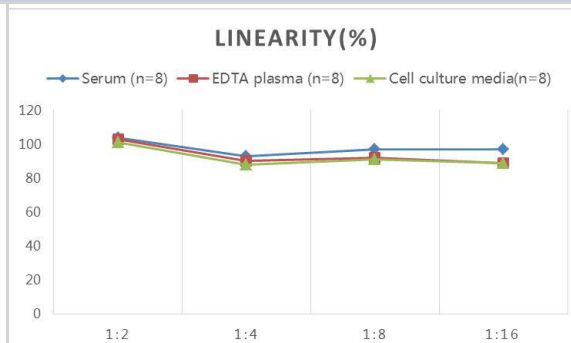
NBP2-69077**Rat CTX-1 ELISA Kit (Colorimetric)**

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	
Species	Rat
Specificity/Sensitivity	This kit recognizes Rat CTX1 in samples. No significant cross-reactivity or interference between Rat CTX1 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	0.16 - 10 ng/mL
Sensitivity	0.10 ng/mL
Inter Assay	CV% < 5%
Intra Assay	CV% < 4.87%
Assay Type	Sandwich-ELISA
Spiking Recovery	92-110%
Suitable Sample Type	Serum, plasma and other biological fluids
Sample Volume	100 uL
Product Application Details	
Applications	ELISA
Recommended Dilutions	ELISA

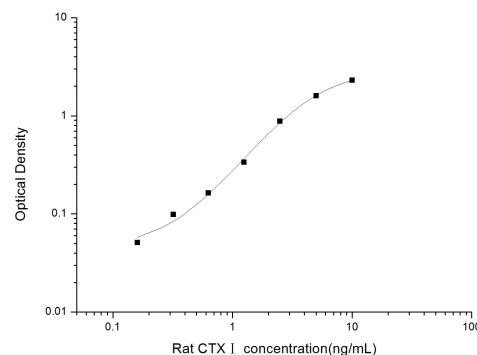


Images

ELISA: Rat CTX-1 ELISA Kit (Colorimetric) [NBP2-69077] - Samples were spiked with high concentrations of Rat CTX-1 and diluted with Reference Standard & Sample Diluent to produce samples with values within the range of the assay.



ELISA: Rat CTX-1 ELISA Kit (Colorimetric) [NBP2-69077] - Standard Curve Reference



Publications

F Wei, CJ Neal, TS Sakthivel, Y Fu, M Omer, A Adhikary, S Ward, KM Ta, S Moxon, M Molinari, J Asiatico, M Kinzel, SN Yarmolenko, V San Cheong, N Orlovskaya, R Ghosh, S Seal, M Coathup A novel approach for the prevention of ionizing radiation-induced bone loss using a designer multifunctional cerium oxide nanozyme Bioactive materials, 2022-09-21;21(0):547-565. 2022-09-21 [PMID: 36185749]

Fei Wei, Megan Hughes, Mahmoud Omer, Christopher Ngo, Abinaya Sindu Pugazhendhi, Elayaraja Kolanthai, Matthew Aceto, Yasmine Ghattas, Mehdi Razavi, Thomas J Kean, Sudipta Seal, Melanie Coathup A Multifunctional Therapeutic Strategy Using P7C3 as A Countermeasure Against Bone Loss and Fragility in An Ovariectomized Rat Model of Postmenopausal Osteoporosis. Advanced science (Weinheim, Baden-Wurttemberg, Germany) 2024-03-13 [PMID: 38477537]

Jiang A, Gao S, Zhao Z et al. Phenotype changes of subchondral plate osteoblasts based on a rat model of ovariectomy-induced osteoarthritis Ann Transl Med 2020-04-01 [PMID: 32395520] (ELISA, Rat)

Zhang Q, Tang X, Liu Z et al. Hesperetin Prevents Bone Resorption by Inhibiting RANKL-Induced Osteoclastogenesis and Jnk Mediated Irf-3/c-Jun Activation. Front Pharmacol 2018-09-11 [PMID: 30254586] (ELISA, Human)



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Limitations

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