

Product Datasheet

Rat TNF-alpha ELISA Kit (Colorimetric) NBP1-92681

Unit Size: 96 Tests

Storage of components varies. See protocol for specific instructions.

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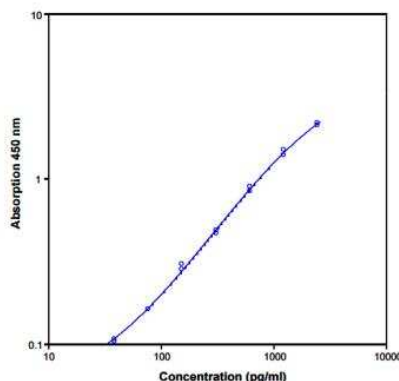


NBP1-92681**Rat TNF-alpha ELISA Kit (Colorimetric)**

Product Information	
Unit Size	96 Tests
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	
Description	The rat TNF-alpha ELISA is an enzyme-linked immunosorbent assay for the quantitative detection of rat TNF-alpha.
Gene ID	7124
Gene Symbol	TNF
Species	Rat
Specificity/Sensitivity	The interference of circulating factors of the immune system was evaluated by spiking these proteins at physiologically relevant concentrations into a rat TNF alpha positive serum. There was no crossreactivity detected.
Kit Components	Aluminium pouch(es) with a Microwell Plate coated with polyclonal antibody to rat TNF-alpha, Biotin-Conjugate anti-rat TNF-alpha polyclonal antibody, Streptavidin-HRP, Rat TNF-alpha Standard lyophilized, 5 ng/mL upon reconstitution, Sample Diluent, Assay Buffer Concentrate 20x (PBS with 1% Tween 20 and 10% BSA), Wash Buffer Concentrate 20x (PBS with 1% Tween 20), Substrate Solution (tetramethyl-benzidine), Stop Solution (1M Phosphoric acid), Adhesive Films
Standard Curve Range	39.1 - 2,500 pg/mL
Sensitivity	11.0 pg/mL
Inter Assay	CV% < 10%
Intra Assay	CV% < 5.0%
Assay Type	Sandwich ELISA
Spiking Recovery	109%
Suitable Sample Type	Cell culture supernatant, serum
Sample Volume	50 uL
Product Application Details	
Applications	ELISA
Recommended Dilutions	ELISA

Images

ELISA: TNF-alpha ELISA Kit [Biotin] [NBP1-92681] - Standard curve



Publications

ALRashdi BM, Mohamed RA, Mohamed AH et al. Therapeutic activity of green synthesized selenium nanoparticles from turmeric against cisplatin-induced oxido-inflammatory stress and cell death in mice kidney Bioscience reports 2023-11-30 [PMID: 37902021] (ELISA)

Mohamed K, Abdelfattah M, El-khadragy M et al. Rutin-loaded selenium nanoparticles modulated the redox status, inflammatory, and apoptotic pathways associated with pentylenetetrazole-induced epilepsy in mice Green Processing and Synthesis 2023-01-26 (ELISA, Mouse)

Li L, Ma H, Zhang Y et al. Protocatechuic acid reverses myocardial infarction mediated by b-adrenergic agonist via regulation of Nrf2/HO-1 pathway, inflammatory, apoptotic, and fibrotic events Journal of biochemical and molecular toxicology 2023-01-02 [PMID: 36593721]

Li H, Yuan Y, Chen H et al. Indoleamine 2,3-dioxygenase mediates the therapeutic effects of adipose-derived stromal/stem cells in experimental periodontitis by modulating macrophages through the kynurenine-AhR-NRF2 pathway Molecular metabolism 2022-10-18 [PMID: 36270612] (ELISA)

Alsharif K, Albrakati A, omairi N et al. The therapeutic antischizophrenic activity of prodigiosin and selenium co-supplementation against amphetamine hydrochloride-induced behavioural changes, oxidative, inflammatory, and apoptotic challenges in rats Research Square 2022-06-28 [PMID: 36048389] (ELISA)

Al Omairi N, Albrakati A, Alsharif K et al. Selenium Nanoparticles with Prodigiosin Rescue Hippocampal Damage Associated with Epileptic Seizures Induced by Pentylenetetrazole in Rats Biology 2022-02-23 [PMID: 35336729]

Albrakati A, Alsharif KF, Al Omairi NE et al. Neuroprotective Efficiency of Prodigiosins Conjugated with Selenium Nanoparticles in Rats Exposed to Chronic Unpredictable Mild Stress is Mediated Through Antioxidative, Anti-Inflammatory, Anti-Apoptotic, and Neuromodulatory Activities International journal of nanomedicine 2021-12-30 [PMID: 35002238]

Liu Y, Shen W, Chen Q et al. Inhibition of RAGE by FPS-ZM1 alleviates renal injury in spontaneously hypertensive rats European Journal of Pharmacology 2020-06-01 [PMID: 32502492] (ELISA, Rat)

Abdelfattah MS, Elmallah MIY, Ebrahim HY et al. Prodigiosins from a marine sponge-associated actinomycete attenuate HCl/ethanol-induced gastric lesion via antioxidant and anti-inflammatory mechanisms PLoS ONE 2019-06-13 [PMID: 31194753] (ELISA, Rat)

Sun Y, Zhao DL, Liu ZX et al. Beneficial effect of 20-hydroxyecdysone exerted by modulating antioxidants and inflammatory cytokine levels in collagen-induced arthritis: A model for rheumatoid arthritis Mol Med Rep 2017-08-29 [PMID: 28901397] (ELISA, Rat)



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Products Related to NBP1-92681

NBP2-35076-10ug	Recombinant Human TNF-alpha Protein
M6000B-1	IL-6 [HRP]
210-TA-005	TNF-alpha [Unconjugated]
201-LB-005	IL-1 beta/IL-1F2 [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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