

Product Datasheet

Human TNF-alpha ELISA Kit (Colorimetric) NBP1-91170

Unit Size: 96 Tests

Storage of components varies. See protocol for specific instructions.

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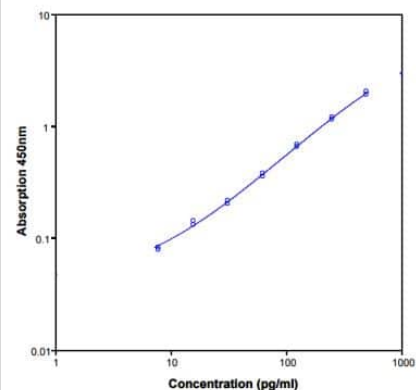


NBP1-91170**Human TNF-alpha ELISA Kit (Colorimetric)**

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 human TNF-alpha ELISA is an enzyme-linked immunosorbent assay for the quantitative detection of human TNF-alpha
Gene ID	7124
Gene Symbol	TNF
Species	Human
Specificity/Sensitivity	The interference of circulating factors of the immune system was evaluated by spiking these proteins at physiologically relevant concentrations into a human TNF alpha positive serum. There was no interference detected, namely not with TNF-R (60 kDa and 80 kDa).
Kit Components	Aluminium pouch(es) with a Microwell Plate coated with monoclonal antibody to human TNF-alpha, Biotin-Conjugate anti-human TNF-alpha polyclonal antibody, Streptavidin-HRP, Human TNF-alpha Standard lyophilized, 1000 pg/mL upon reconstitution, Control high, lyophilized, Control low, lyophilized, 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	7.8 - 500 pg/mL
Sensitivity	2.3 pg/mL
Inter Assay	CV% < 7.4%
Intra Assay	CV% < 6.0%
Assay Type	Sandwich ELISA
Spiking Recovery	The recovery ranged from 72% to 112% with an overall mean recovery of 93%. Please see protocol for more specific Spike Recovery details.
Suitable Sample Type	Cell culture supernatant, serum, plasma (EDTA, citrate, heparin), urine
Sample Volume	50 uL
Product Application Details	
Applications	ELISA
Recommended Dilutions	ELISA

Images

ELISA: TNF-alpha ELISA Kit [NBP1-91170] - Standard curve



Publications

Chen YJ, Lin TL, Cai Z et al. Assessment of acute pancreatitis severity via determination of serum levels of hsa-miR-126-5p and IL-6 Experimental and Therapeutic Medicine 2020-11-09 [PMID: 33262812] (ELISA)

Zhang Q, Bai X, Wang R et al. 4-octyl Itaconate inhibits lipopolysaccharide (LPS)-induced osteoarthritis via activating Nrf2 signalling pathway Journal of cellular and molecular medicine 2022-01-23 [PMID: 35068055]

Yang R, Yan Y, Wu Z Et al. Resveratrol-loaded titania nanotube coatings promote osteogenesis and inhibit inflammation through reducing the reactive oxygen species production via regulation of NF-kappa B signaling pathway Materials science & engineering. C, Materials for biological applications 2021-12-01 [PMID: 34857292] (ELISA)

Liu L, Guo H, Song A et al. Progranulin inhibits LPS-induced macrophage M1 polarization via NF-kappaB and MAPK pathways BMC Immunol. 2020-06-05 [PMID: 32503416]

Ji L, Hou X, Liu W et al. Paeoniflorin inhibits activation of the IRAK1-NF-kB signaling pathway in peritoneal macrophages from lupus-prone MRL/lpr mice Microb. Pathog. 2018-08-24 [PMID: 30149133] (ELISA, Mouse)



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Products Related to NBP1-91170

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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