

Product Datasheet

Human VEGF ELISA Kit (Colorimetric) NBP1-91272

Unit Size: 96 Tests

Storage of components varies. See protocol for specific instructions.

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NBP1-91272**Human VEGF 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.
Buffer	

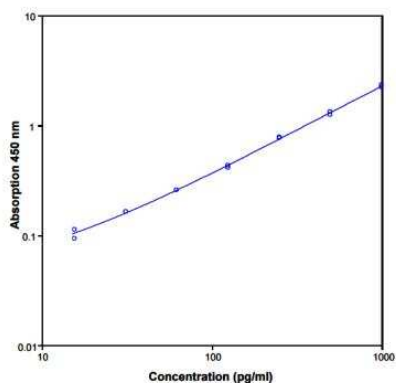
Product Description	
Description	The human VEGF-A ELISA is an enzyme-linked immunosorbent assay for the quantitative detection of human VEGF-A
Gene ID	7422
Gene Symbol	VEGFA
Species	Human
Specificity/Sensitivity	The assay detects both natural and recombinant human VEGF-A. Cross reactivity and interference of circulating factors of the immune system were evaluated by spiking these proteins at physiologically relevant concentrations into a human VEGF-A positive serum. There was no crossreactivity detected, notably not with human VEGF-B, VEGF-C, VEGF-D and PlGF. Interference was detected for VEGF-R1 at concentrations > 200 pg/ml, and not for VEGF-R2.
Kit Components	Aluminium pouch(es) with a Microwell Plate coated with polyclonal antibody to human VEGF-A, Biotin-Conjugate anti-human VEGF-A polyclonal antibody, Streptavidin-HRP, Human VEGF-A Standard lyophilized, 2 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	15.6 - 1,000 pg/mL
Sensitivity	7.9 pg/mL
Inter Assay	CV% < 6.20%
Intra Assay	CV% < 4.30%
Assay Type	Sandwich ELISA
Spiking Recovery	Please see protocol for more specific Spike Recovery details.
Suitable Sample Type	Cell culture supernatant, serum, plasma (EDTA, citrate, heparin), buffered solution
Sample Volume	50 uL

Product Application Details	
Applications	ELISA
Recommended Dilutions	ELISA



Images

ELISA: VEGF ELISA Kit [NBP1-91272] - Standard Curve



Publications

Assylbek Zhykibayev, Trong Thuan Ung, James Mobley, Mohammad Athar, Marina Gorbatyuk The Involvement of Unfolded Protein Response in the Mechanism of Nitrogen Mustard-Induced Ocular Toxicity. The Journal of pharmacology and experimental therapeutics 2024-01-19 [PMID: 37914413]

Chen W, Huang W, Yang Y, Li K Methylglyoxal Scavengers Attenuate Angiogenesis Dysfunction Induced by Methylglyoxal and Oxygen-Glucose Deprivation Oxidative medicine and cellular longevity 2022-01-05 [PMID: 35035668] (ELISA)





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Products Related to NBP1-91272

NB100-2381PEP	VEGF Antibody Blocking Peptide
NB100-105	HIF-1 alpha Antibody (H1alpha67)
DVE00	VEGF [HRP]
210-TA-005	TNF-alpha [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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