

Product Datasheet

Human CXCL8/IL-8 ELISA Kit (Colorimetric) NBP1-83743

Unit Size: 96 Tests

Storage of components varies. See protocol for specific instructions.

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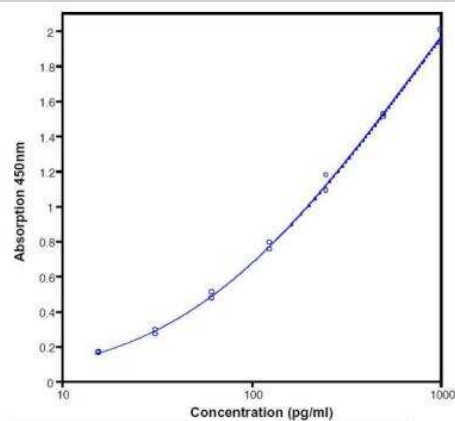


NBP1-83743**Human CXCL8/IL-8 ELISA Kit (Colorimetric)**

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	This kit is an enzyme-linked immunosorbent assay for quantitative detection.
Gene ID	3576
Gene Symbol	CXCL8
Species	Human
Specificity/Sensitivity	The assay detects both natural and recombinant human IL-8/NAP-1. The interference of circulating factors of the immune system with high homology to IL-8/NAP-1 was evaluated by spiking these proteins at physiologically relevant concentrations (up to 1000 pg/ml) into a human IL-8/NAP-1 positive serum. There was no crossreactivity detected with connective tissue activating peptide 3, platelet factor 4 and neutrophil activating peptide 2 as well as IL-6, IL-2R, rhTNF beta and CD8.
Kit Components	Aluminium pouch(es) with a Microwell Plate coated with monoclonal antibody to human IL-8/NAP-1, Biotin-Conjugate (anti-human IL-8/NAP-1 polyclonal antibody), Streptavidin-HRP and Sample Diluent, lyophilized, Aluminium pouch (es) with a human IL-8/NAP-1 Standard curve (coloured), Wash Buffer Concentrate 20x (phosphate-buffered saline with 1% Tween 20), Sample Diluent (Use when an external predilution of the samples is needed), Substrate Solution (tetramethyl-benzidine), Stop Solution (1M Phosphoric acid), Adhesive Films
Standard Curve Range	15.6 - 1,000 pg/ml
Sensitivity	2.0 pg/mL
Inter Assay	CV% < 8.7%
Intra Assay	CV% < 6.3%
Assay Type	Sandwich ELISA
Spiking Recovery	The amount of endogenous human IL-8/NAP-1 in unspiked serum was subtracted from the spike values. The recovery ranged from 72% to 125% with an overall mean recovery of 88%.
Suitable Sample Type	Cell culture supernatant, serum, plasma (EDTA, heparin), amniotic fluid
Sample Volume	50 uL
Product Application Details	
Applications	ELISA
Recommended Dilutions	ELISA

Images

ELISA: Human CXCL8/IL-8 ELISA Kit (Colorimetric) [NBP1-83743] - Representative standard curve for human IL-8 ELISA. Human IL-8 was diluted in serial 2-fold steps in Sample Diluent. Do not use this standard curve to derive test results. A standard curve must be run for each group of microwell strips assayed.



Publications

Wu CX, Mao CY, Deng J Et al. Fluoride induced down-regulation of IKBKG Gene expression inhibits hepatocytes senescence Journal of trace elements in medicine and biology : organ of the Society for Minerals and Trace Elements (GMS) 2021-11-04 [PMID: 34763226]

Zheng Tingjin, Ma Guoxing, Tang Mingqing et al. IL-8 Secreted from M2 Macrophages Promoted Prostate Tumorigenesis via STAT3/MALAT1 Pathway. International Journal of Molecular Sciences 2018-12-27 [PMID: 30591689] (CellDiff, Human)



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Products Related to NBP1-83743

NBP2-34905-5ug	Recombinant Human CXCL8/IL-8 Protein
210-TA-005	TNF-alpha [Unconjugated]
DY208-05	CXCL8/IL-8 [Biotin]
M6000B-1	IL-6 [HRP]

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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