

# 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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### Publications: 2

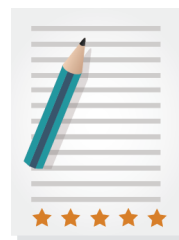
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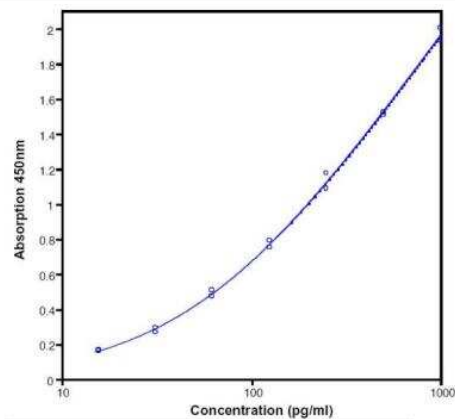


**NBP1-83743****Human CXCL8/IL-8 ELISA Kit (Colorimetric)**

<b>Product Information</b>	
<b>Unit Size</b>	96 Tests
<b>Concentration</b>	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
<b>Storage</b>	Storage of components varies. See protocol for specific instructions.
<b>Product Description</b>	
<b>Description</b>	This kit is an enzyme-linked immunosorbent assay for quantitative detection.
<b>Gene ID</b>	3576
<b>Gene Symbol</b>	CXCL8
<b>Species</b>	Human
<b>Specificity/Sensitivity</b>	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.
<b>Kit Components</b>	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
<b>Standard Curve Range</b>	15.6 - 1,000 pg/ml
<b>Sensitivity</b>	2.0 pg/mL
<b>Inter Assay</b>	CV% < 8.7%
<b>Intra Assay</b>	CV% < 6.3%
<b>Assay Type</b>	Sandwich ELISA
<b>Spiking Recovery</b>	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%.
<b>Suitable Sample Type</b>	Cell culture supernatant, serum, plasma (EDTA, heparin), amniotic fluid
<b>Sample Volume</b>	50 uL
<b>Product Application Details</b>	
<b>Applications</b>	ELISA
<b>Recommended Dilutions</b>	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**

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NBP2-34905-5ug	Recombinant Human CXCL8/IL-8 Protein
210-TA-005	TNF-alpha [Unconjugated]
DY208-05	CXCL8/IL-8 [Biotin]
DVE00	VEGF [HRP]

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### **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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