

Human IL-8 AccuSignal ELISA Kit - KOA0228

Code: KOA0228

Size: 1 Kit

Product Description: Human IL-8 AccuSignal ELISA Kit - KOA0228

PhysicalState:

Label	Unconjugated
Gene Name	CXCL8
Species Reactivity	Human
Storage Condition	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.
Synonyms	AMCF 1, B-ENAP, Beta-thromboglobulin-like protein, C X C motif chemokine 8, Chemokine (C X C motif) ligand 8, GCP 1, GCP/IL-8 protein 1, Granulocyte chemotactic protein 1, IL 8, IL8/NAP1 form II, IL8_HUMAN, Interleukin 8, Lymphocyte derived neutrophil activating factor, Monocyte derived neutrophil activating peptide, Monocyte derived neutrophil chemotactic factor, NAF, Neutrophil-activating factor, Protein 3 10C, Small inducible cytokine subfamily B member 8, T cell chemotactic factor, TSG 1
Application Note	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml, 31.2pg/ml, 15.6pg/ml human IL-8 standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of human cell culture supernates, serum or plasma (heparin, EDTA, citrate) to each empty well. It is recommended that each human IL-8 standard solution and each sample be measured in duplicate.
Background	Interleukin-8, also called neutrophil-activating peptide-1 or SCYB8, is a tissue-derived peptide secreted by several types of cells in response to inflammatory stimuli. Monocyte-derived neutrophil chemotactic factor (MDNCF/IL-8, suggested gene symbol IL8) is a cytokine that chemoattracts and activates neutrophils. IL-8 is produced and released from human adipose tissue and from isolated adipocytes in vitro, which may indicate that IL-8 from adipose tissue could be involved in some of the obesity-related complications. The MDNCF/IL-8 gene is placed on the human gene map at position 4q12-q21. This is the same location where at least three other members (platelet factor 4, melanoma growth stimulatory activity, and interferon-gamma induced factor) of the platelet factor 4 gene superfamily reside. Human IL-8 consists of 99 amino acids in precursor form and 79 amino acids in mature form.
Purity And Specificity	Natural and recombinant human IL-8. There is no detectable cross-reactivity with other relevant proteins.
ELISA	15.6pg/ml-1000pg/ml (cell culture supernates) 7.8pg/ml-500pg/ml (serum, plasma)
Expiration	See kit insert for complete instructions.
Immunogen	Expression system for standard: E.coli; Immunogen sequence: S28-S99
Anti-Coagulant	Heparin Sodium

Related Products

109-401-311	Anti-Human IL-8 (RABBIT) Antibody - 109-401-311
MB-008	10X PBS pH 7.2 (0.2 M Potassium Phosphate 1.5 M Sodium Chloride) - MB-008
MB-012	10X TBS pH 7.5 (1.0 M Tris HCl 1.5 M Sodium Chloride) - MB-012
MB-013	10X TTBS pH 7.5 (1.0 M Tris HCl 1.5 M Sodium Chloride 0.1% (w/v) Tween-20) - MB-013

Related Links

UniProtKB - P10145

<http://www.uniprot.org/uniprot/P10145>

NCBI - NP_000575.1

http://www.ncbi.nlm.nih.gov/protein/NP_000575.1

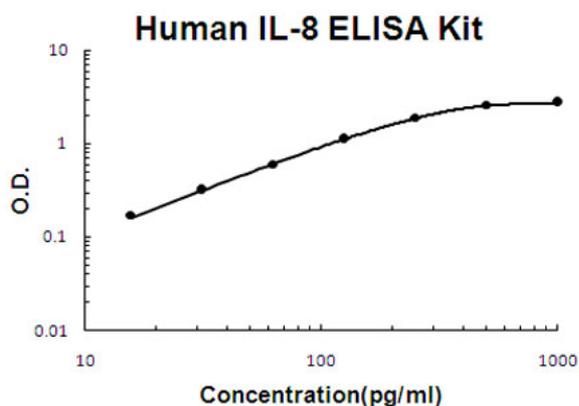
GeneID - 3576

<http://www.ncbi.nlm.nih.gov/sites/entrez?db=gene&term=3576>

KOA0228 Protocol [http://www.rockland-inc.com/uploadedfiles/Support/KOA0228%20\(NMA\).pdf](http://www.rockland-inc.com/uploadedfiles/Support/KOA0228%20(NMA).pdf)

Images

- 1 Human IL-8 AccuSignal ELISA Kit standard curve. Assay Range: 15.6pg/ml-1000pg/ml(cellculturesupernates)7.8pg/ml-500pg/ml(serum,plasma). Sensitivity: <1pg/ml.



Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.