

Datasheet for ABIN6719988

IL-8 ELISA Kit**1** Image[Go to Product page](#)

Overview

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|--------------------------|-------------------------|
| Quantity: | 1 kit |
| Target: | IL-8 (IL8) |
| Reactivity: | Human |
| Method Type: | Sandwich ELISA |
| Detection Range: | 15.6 pg/mL - 1000 pg/mL |
| Minimum Detection Limit: | 15.6 pg/mL |
| Application: | ELISA |

Product Details

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|--------------------|---|
| Purpose: | Sandwich ELISA for Quantitative Detection of Antigen |
| Sample Type: | Cell Culture Supernatant, Plasma (EDTA - heparin - citrate), Serum |
| Analytical Method: | Quantitative |
| Detection Method: | Colorimetric |
| Characteristics: | <p>Synonyms: AMCF I, 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 I, 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</p> <p>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.</p> |

Product Details

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.

Gene Name: CXCL8

Production: Natural and recombinant human IL-8. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: E.coli, Immunogen sequence: S28-S99

Target Details

Target: IL-8 (IL8)

Alternative Name: IL-8 ([IL8 Products](#))

Gene ID: 3576

NCBI Accession: [NP_000575](#)

UniProt: [P10145](#)

Pathways: [TLR Signaling](#), [Cellular Response to Molecule of Bacterial Origin](#), [Regulation of G-Protein Coupled Receptor Protein Signaling](#), [ER-Nucleus Signaling](#), [Hepatitis C](#), [Autophagy](#)

Application Details

Application Notes: Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL 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 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL 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.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 15.6pg/mL-1000pg/mL(cellculturesupernates)7.8pg/mL-500pg/mL(serum,plasma)

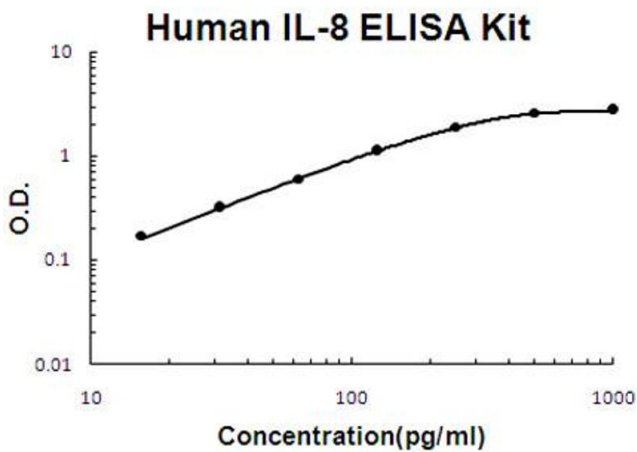
Application Details

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| Sample Volume: | 100 µL |
| Plate: | Pre-coated |
| Restrictions: | For Research Use only |

Handling

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| Storage: | RT, 4 °C, -20 °C |
| Storage Comment: | 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. |

Images



ELISA

Image 1. Human IL-8 Accusignal ELISA Kit 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.