

Human IL-8 ELISA Kit | IL8 elisa kit

Human IL-8 ELISA Kit

CATALOG # AAA261717	REACTIVITY Human	APPLICATIONS ELISA
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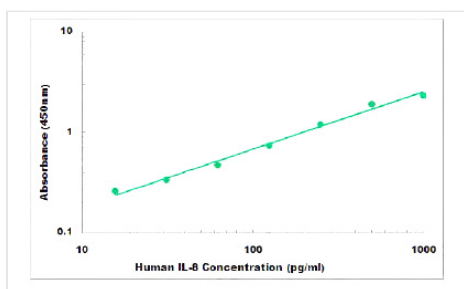
PRODUCT SYNONYMS

IL-8; Human IL-8 ELISA Kit; CXCL8; Interleukin-8; C-X-C motif chemokine 8; Emotakin; Granulocyte chemotactic protein 1; GCP-1; Monocyte-derived neutrophil chemotactic factor; MDNCF; Monocyte-derived neutrophil-activating peptide; MONAP; Neutrophil-activating protein 1; NAP-1; Protein 3-10C; T-cell chemotactic factor; IL8 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human IL-8 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human IL-8 proteins within the range of 15.6 pg/ml - 1000 pg/ml.
Sequence Length	99
Samples	Cell Culture Supernatants, Serum, Plasma, Tissue Homogenates.
Sensitivity	4 pg/ml.
Applicable Applications for IL8 elisa kit	ELISA (Sandwich ELISA)
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL8 elisa kit	Principle of the Assay The Human IL-8 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human IL-8 in Cell Culture Supernatants, Serum, Plasma, Tissue Homogenates. This assay employs an antibody specific for Human IL-8 coated on a 96-well plate. Standards and samples are pipetted into the wells and IL-8 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human IL-8 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of IL-8 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. Background/Introduction: 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	124359
NCBI GeneID	3576
UniProt Accession #	P10145; Q6FGF6; Q6LAE6; Q96RG6; Q9C077; Q9UCE1; Q9UCR8; Q9UCR9; Q9UCS0; B2R4L8
Molecular Weight	11,098 Da
NCBI Official Full Name	Interleukin-8
NCBI Official Synonym Full Names	C-X-C motif chemokine ligand 8
NCBI Official Symbol	CXCL8
NCBI Official Synonym Symbols	IL8; NAF; GCP1; LECT; LUCT; NAP1; GCP-1; LYNAIP; MDNCF; MONAP; NAP-1
NCBI Protein Information	interleukin-8
UniProt Protein Name	Interleukin-8
UniProt Gene Name	CXCL8
UniProt Synonym Gene Names	IL8; IL-8; GCP-1; MDNCF; MONAP; NAP-1; LYNAIP; NAF
UniProt Entry Name	IL8_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/il8-human-elisa-kits/il-8/261717>