

Human IL-8 DIY ELISA Kit | CXCL8 diy elisa kit

Human IL-8 ELISA Kit EZ-Set (DIY Antibody Pairs)

CATALOG # AAA126767	REACTIVITY Human	APPLICATIONS ELISA
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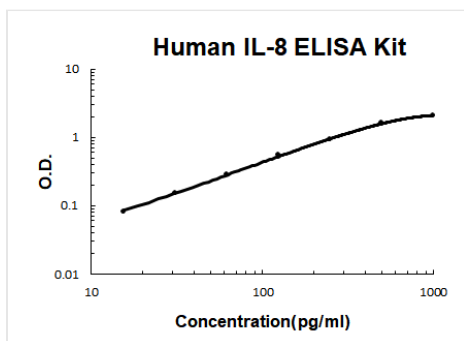
PRODUCT SYNONYMS

IL-8; Human IL-8 ELISA Kit EZ-Set (DIY Antibody Pairs); Leptin; Obesity factor; LEP; hCG_33000; tcag7.84; Interleukin-8; CXCL8 diy elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	cell culture supernatants, serum and plasma (heparin, EDTA, citrate).
Detection Range	15.6pg/ml-1,000pg/ml(cellculturesupernates)7.8pg/ml-500pg/ml(serum,plasma)
Sensitivity	<1pg/ml
Anticoagulant	heparin, EDTA or citrate
Subcellular Localization	Secreted.
Applicable Applications for CXCL8 diy elisa kit	ELISA
Immunogen	Expression system for standard: E Coli; Immunogen sequence: S28-S99
Protein Function	IL-8 is a chemotactic factor that attracts neutrophils, basophils, and T-cells, but not monocytes. It is also involved in neutrophil activation. It is released from several cell types in response to an inflammatory stimulus. IL-8 (6-77) has a 5-10-fold higher activity on neutrophil activation, IL-8 (5-77) has increased activity on neutrophil activation and IL-8 (7-77) has a higher affinity to receptors CXCR1 and CXCR2 as compared to IL-8 (1-77), respectively.
Sequence Similarity	Belongs to the intercrine alpha (chemokine CxC) family.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Ships with gel ice, can store for up to 3 days in room temperature. Freeze upon receiving.)

IMAGES



Standard Curve (Sample)

Human IL-8 EZ Set ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for CXCL8 diy elisa kit	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.
Product Categories/Family for CXCL8 diy elisa kit	EZ-Set ELISA Kits (Ab Pairs)

NCBI AND UNIPROT INFORMATION

NCBI GI #	10834978
NCBI GeneID	3576
NCBI Accession #	NP_000575.1
NCBI GenBank Nucleotide #	NM_000584.3
UniProt Accession #	P10145; Q6FGF6; Q6LAE6; Q96RG6; Q9C077; Q9UCE1; Q9UCR8; Q9UCR9; Q9UCS0; B2R4L8
Molecular Weight	11kDa
NCBI Official Full Name	interleukin-8
NCBI Official Synonym Full Names	interleukin 8
NCBI Official Symbol	IL8
NCBI Official Synonym Symbols	NAF; GCP1; LECT; LUCT; NAP1; CXCL8; GCP-1; LYNAP; MDNCF; MONAP; NAP-1
NCBI Protein Information	interleukin-8; emoctakin; T-cell chemotactic factor; neutrophil-activating peptide 1; chemokine (C-X-C motif) ligand 8; beta-thromboglobulin-like protein; granulocyte chemotactic protein 1; tumor necrosis factor-induced gene 1; alveolar macrophage chemota
UniProt Protein Name	Interleukin-8
UniProt Gene Name	IL8
UniProt Synonym Gene Names	CXCL8; IL-8; GCP-1; MDNCF; MONAP; NAP-1; LYNAP; 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.