

Human IL-8 ELISA Kit | IL-8 elisa kit

Human IL-8 ELISA KIT

CATALOG #
AAA309861

REACTIVITY
Human

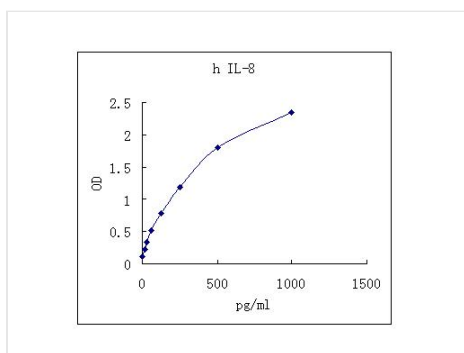
PRODUCT SYNONYMS

IL-8; Human IL-8 ELISA KIT; Human IL-8; IL-8 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human IL-8 Ligand
Assay Type	Solid Phase Sandwich ELISA
Samples	Cell culture supernatant, serum, plasma (EDTA, citrate, heparin)
Detection Range	15.625-1000pg/mL
Sensitivity	7pg/mL
Assay Time	3 hours
Sample Volume	20 uL
Detection Method	Colorimetric
Preparation and Storage	Store at 4 degree C

IMAGES



Standard Curve (Sample)

Representative standard curve for IL-8 ELISA. IL-8 was diluted in serial two-fold steps in Sample Diluent.

ADDITIONAL INFORMATION

Related Product Information for IL-8 elisa kit	Interleukin 8 (IL-8), a member of the neutrophil-specific CXC subfamily of chemokines, is a potent neutrophil chemotactic and activating factor. It is a primary inflammatory cytokine produced by many cells including monocytes/ macrophages, T cells, neutrophils, fibroblasts, endothelial cells, keratinocytes, hepatocytes, astrocytes and chondrocytes. It is in response to proinflammatory stimuli such as IL-1, TNF, LPS and viruses. Its function is, in part, to attract neutrophils to the site of inflammation and to activate them (1-6).The human IL-8 cDNA sequence predicts a protein of 99 amino acids. Removal of a 22-residue signal peptide generates a mature protein of 77 amino acids (~ 8 kDa). Further proteolysis of the N-terminal end leads to a variant form with 72 amino acids; full activation of IL-8 may require cleavage to the 72 amino acid form.IL-8 can form non-covalent dimers in solution, especially at high concentrations, but dimerization is not necessary for biological activity. IL-8 binds to two seven-transmembrane, G protein-coupled receptors, CXCR1 and CXCR2, as well as to the non-signalling Duffy antigen on red-blood cells. The Duffy antigen may play a role in regulating IL-8 activity on functional receptors.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	452755705
Molecular Weight	10,907 Da
NCBI Official Full Name	IL-8
UniProt Protein Name	Interleukin-8
UniProt Gene Name	IL-8
UniProt Synonym Gene Names	IL-8

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://stage.aaabiotech.com/human-elisa-kits/il-8/309861>