

## Human Interleukin-8 (rDNA derived) Reference standard

Cat. No. IL8-98H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	This reference Standard is the primary biological standard for IL- 8.
<b>Species</b>	Human
<b>Enzyme Unit</b>	The reference standard is 1,000 International Units of biological activity per ampoule.
<b>Usage</b>	No attempt should be made to weigh out any portion of the freeze-dried material prior to reconstitution. Dissolve the total contents of the ampoule with 0.5ml of sterile distilled water. Rinse the ampoule with about 0.4ml of sterile phosphate buffered saline (PBS) and make up the total volume to 1.0ml with PBS. This solution will contain IL-8 at a concentration of 1,000 International Units/ml. It is advisable to include a carrier protein during initial reconstitution to prevent loss of material if this does not interfere in the intended assay method.
<b>Notes</b>	This preparation is not for administration to humans. The material is not of human or bovine origin. As with all materials of biological origin, this preparation should be regarded as potentially hazardous to health. It should be used and discarded according to your own laboratorys safety procedures. Such safety procedures should include the wearing of protective gloves and avoiding the generation of aerosols. Care should be exercised in opening ampoules or vials, to avoid cuts.
<b>Stability</b>	Reference materials are held at Creative Biomart within assured, temperature-controlled storage facilities and they should be stored on receipt as indicated on the label. Accelerated degradation studies have indicated that this material is suitably

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stable, when stored at -20°C or below, for the assigned values to remain valid until the material is withdrawn or replaced. These studies have also shown that the material is suitably stable for shipment at ambient temperature without any effect on the assigned values. Once reconstituted, diluted or aliquoted, users should determine the stability of the material according to their own method of preparation, storage and use. Users who have data supporting any deterioration in the characteristics of any reference preparation are encouraged to contact Creative Biomart.

**Storage**

Due to the instability of IL-8 at low concentrations it is recommended that the solution be stored at +4°C for no longer than one week. Unopened ampoules should be stored at -20°C. Please note: because of the inherent stability of lyophilized material, Creative Biomart may ship these materials at ambient temperature.

**GENE INFORMATION**

**Gene Name** IL8 interleukin 8 [ Homo sapiens ];

**Official Symbol** IL8

**Synonyms**

IL8; interleukin 8; interleukin-8; 3 10C; alveolar macrophage chemotactic factor I; AMCF I; b ENAP; beta endothelial cell derived neutrophil activating peptide; chemokine (C X C motif) ligand 8; CXCL8; GCP 1; GCP1; granulocyte chemotactic protein 1; IL 8; K60; LECT; LUCT; lung giant cell carcinoma derived chemotactic protein; lymphocyte derived neutrophil activating peptide; LYNAP; MDNCF; MONAP; monocyte derived neutrophil chemotactic factor; monocyte derived neutrophil activating peptide; NAF; NAP 1; NAP1; neutrophil activating peptide 1; SCYB8; TSG 1; tumor necrosis factor induced gene 1; emoctakin; T-cell chemotactic factor; neutrophil-activating peptide 1; chemokine (C-X-C motif) ligand 8; beta-thromboglobulin-like protein; tumor necrosis factor-induced gene 1; monocyte-derived neutrophil chemotactic factor; monocyte-derived neutrophil-activating peptide; small

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inducible cytokine subfamily B, member 8; lung giant cell carcinoma-derived chemotactic protein; beta endothelial cell-derived neutrophil activating peptide; GCP-1; NAP-1;

**Gene ID** [3576](#)

**mRNA Refseq** [NM\\_000584](#)

**Protein Refseq** [NP\\_000575](#)

**MIM** [146930](#)

**UniProt ID** [P10145](#)

**Chromosome Location** 4q13-q21

**Pathway** ATF-2 transcription factor network, organism-specific biosystem; Activation of Genes by ATF4, organism-specific biosystem; Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem; Bladder cancer, organism-specific biosystem; Bladder cancer, conserved biosystem; Calcineurin-regulated NFAT-dependent transcription in lymphocytes, organism-specific biosystem;

**Function** chemokine activity; interleukin-8 receptor binding; protein binding;

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