

IL8

Recombinant Human Interleukin-8/CXCL8 (77 aa)

Catalog No.	CRI109A	Quantity:	5 µg
	CRI109B		25 µg
	CRI109C		1.0 mg

Alternate Names: IL-8, C-X-C motif chemokine 8, T-cell chemotactic factor

Description: Interleukin-8 was originally discovered and purified independently by a number of laboratories as a neutrophil chemotactic and activating factor. It was also referred to as neutrophil chemotactic factor (NCF), neutrophil activating protein (NAP), monocytederived neutrophil chemotactic factor (MDNCF), T-lymphocyte chemotactic factor (TCF), granulocyte chemotactic protein (GCP) and leukocyte adhesion inhibitor (LAI). Many cell types, including monocyte/macrophages, T cells, neutrophils, fibroblasts, endothelial cells, keratinocytes, hepatocytes, chondrocytes, and various tumor cell lines, can produce CXCL8 in response to a wide variety of pro-inflammatory stimuli such as exposure to IL-1, TNF, LPS, and viruses. CXCL8 is a member of the alpha (C-X-C) subfamily of chemokines, which also includes platelet factor 4, GRO, IP-10, etc.

Gene ID: 3576

UniProt ID: P10145

Source: *E. coli*

Molecular Weight: 8.9 kDa (77 aa)

Formulation: Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, pH 7.5

Purity: ≥ 95.0% by reducing and non-reducing SDS-PAGE

Endotoxin Level: ≤ 1 EU/µg as determined by kinetic LAL analysis.

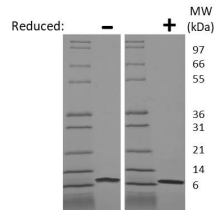
Biological Activity: Biological activity demonstrated starting at 10 ng/ml by Human neutrophil chemotaxis, and starting at 1 ng/ml for Human neutrophil degranulation.

Amino Acid Sequence: AVLPRSAKEL RCQCICKTYSK PFHPKFIKEL RVIESGPHCA NTEIIVKLSG
GRELCLDPKE NWWQRVVEKF LKRAENS

Reconstitution: **Centrifuge vial prior to opening.** Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipet the solution up and down the sides of the vial. **DO NOT VORTEX.** Allow several minutes for reconstitution. A small amount of precipitate may be seen.

Storage & Stability: Store as supplied at -20°C to -80°C for up to 1 year. Upon reconstitution, prepare working aliquots and store at -20°C to -80°C. It is recommended that a carrier protein

such as 0.1% HSA or BSA is added for long term storage.
Avoid repeated freeze-thaw cycles.



Human IL-8 Gel

Figure: 1 ug run under (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Human IL-8 is predicted to have a MW of 8.9 kDa.

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