

IL-8/CXCL8 (8-79aa), Human

Cat. No.: Z02195-10

Size: 10.0 ug

Synonyms: Interleukin (IL)-8 (8-79);

Description:

Interleukin-8 (IL-8) belongs to the neutrophil-specific CXC family of chemokines. It is one of the initial cytokines released from a variety of cell types, including T cells, endothelial cells and fibroblasts, in response to an inflammatory stimulus and acts by recruiting neutrophils, T-cells and basophils to the site of inflammation. Elevated Interleukin-8 levels are associated with the onset of a variety of disease states.

GenScript Interleukin-8 (IL-8) (8-79), produced in *E. coli* is a single, non-glycosylated polypeptide chain containing 72 amino acids and having a molecular mass of 8,452 Da.

Source: *E. coli*

Species: Human

Molecular Weight: 8,000 Da+/-10% determined by reduced SDS-PAGE

Formulation: The protein was lyophilized after extensive dialysis against PBS, pH7.4.

Reconstitution: It is recommended to reconstitute the lyophilized recombinant human Interleukin-8 (IL-8) (8-79) in sterile 18 MΩ-cm H₂O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Purity: Greater than 95.0% as determined by
(a) Analysis by RP-HPLC
(b) Analysis by reducing and non-reducing SDS-PAGE silver stained gel

Endotoxin Level: Less than 0.1ng/µg (1 EU/µg) determined by LAL test.

Storage: Lyophilized recombinant Interleukin-8 (IL-8) (8-79) although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution recombinant Interleukin-8 (IL-8) (8-79) should be stored at 4°C between 2-7 days and for future use below -18°C. For long-term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please avoid freeze-thaw cycles.