



Meridian
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CERTIFICATE OF ANALYSIS

Important Note: Centrifuge before opening to ensure complete recovery of vial contents.

Catalog #: A42208H **Lot #:** 2F17007

Description: Human IL-8 (1-77) Recomb.
Recombinant Human Interleukin-8 (IL-8) (Amino Acids 1-77)

Recombinant Human IL-8 is a single, non-glycosylated polypeptide chain containing 77 amino acids and having a molecular weight of 8,904 Da. The sequence of the first five N-terminal amino acids was determined to be Ser-Ala-Lys-Glu-Leu. Contains less than 1% dimers and aggregates.

Source: *E. coli*

Format: Purified, Lyophilized
Reconstitute using sterile deionized water to a concentration $\geq 100 \mu\text{g/mL}$. Further dilutions can be made in other aqueous buffers.

Purification: > 98% pure (RP-HPLC and SDS-PAGE). Endotoxin level is less than 0.1 ng/ μg (IEU/ μg). Purified by chromatographic techniques.
Product is sterile filtered.

Concentration: 1 mg/mL (OD280nm, $E^{0.1\%} = 0.85$) (prior to lyophilization).

Buffer: Lyophilized from water containing no additives.

Preservative: None

Applications: Specific activity of Human IL-8 determined in chemotaxis of donor PBL neutrophils with threshold concentration corresponding to 25–150 ng/mL. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

Storage: The lyophilized product, though stable for 3 weeks at room temperature, is best stored at -20°C . After reconstitution, short term (up to 1 week) store at $2-8^{\circ}\text{C}$. Long term, add 0.1% HSA or BSA, aliquot and store at -20°C . Avoid multiple freeze/thaw cycles.

Inactivation: Not Applicable

Signature

26 September 2013

Date

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY