



Certificate of Analysis

IL-1 beta Protein, Human (His-Avi)

Cat. No.: HY-P78459
 Batch No.: 229417
 Species: Human
 Source: *E. coli*
 Tag: C-Avi;C-His
 Accession: P01584 (A117-S269)
 Gene ID: 3553
 Molecular Weight: Approximately 20.1 kDa

ANALYTICAL DATA

| TEST | Specifications | Results |
|---------------------|--|------------|
| Purity | Greater than 95% as determined by Tris-Bis PAGE. | ≥95.0% |
| Endotoxin Level | <1 EU/μg, determined by LAL method. | PASS |
| Biological Activity | Immobilized Human IL-1 Beta His at 5 μg/mL (100 μL/Well) on the plate. Dose response curve for Human IL-1 RII hFc with the EC ₅₀ of < 0.44 μg/mL determined by ELISA. | 0.22 μg/mL |
| Appearance | Lyophilized powder | |
| Reconstitution | It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. | |
| Storage & Stability | Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage. | |
| Shipping | Room temperature in continental US; may vary elsewhere. | |

Caution: Product has not been fully validated for medical applications. For research use only.

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