



Certificate of Analysis

IL-12 beta Protein, Rabbit (HEK293, His)

Cat. No.: HY-P74836
Batch No.: 341978
Species: Rabbit
Source: HEK293
Tag: C-His
Accession: G1TBD7/XP_002710393.1 (I23-N324)
Gene ID: 100354852
Molecular Weight: Approximately 43-47 kDa due to the glycosylation

ANALYTICAL DATA

| TEST | Specifications | Results |
|---------------------|---|-------------|
| Purity | Greater than 95% as determined by reducing SDS-PAGE. | 98.00% |
| Endotoxin Level | <1 EU/μg, determined by LAL method. | PASS |
| Biological Activity | Measured by its binding ability in a functional ELISA. When Recombinant Human IL-12R beta1 is present at 1 μg/mL, can bind Recombinant Human IL-12 beta. The ED ₅₀ for this effect is 5.816 ng/mL. | 5.816 ng/mL |
| Appearance | Lyophilized powder | |
| Reconstitution | It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose). | |
| 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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