



Certificate of Analysis

IL-17A Protein, Mouse (E. coli)

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|-------------------|-------------------------|
| Cat. No.: | HY-P73174A |
| Batch No.: | 312254 |
| Species: | Mouse |
| Source: | <i>E. coli</i> |
| Tag: | Tag Free |
| Accession: | Q62386 (T22-A158) |
| Gene ID: | 16171 |
| Molecular Weight: | Approximately 11-15 kDa |

ANALYTICAL DATA

| TEST | Specifications | Results |
|---------------------|---|---------|
| Purity | Greater than 95% as determined by reducing SDS-PAGE. | ≥95.0% |
| Endotoxin Level | <1 EU/μg, determined by LAL method. | PASS |
| Biological Activity | Measured by its ability to induce IL-6 secretion by NIH-3T3 mouse embryonic fibroblast cells. The ED_{50} for this effect is 2.547 ng/mL, corresponding to a specific activity is 3.926×10^5 U/mg. | PASS |
| 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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