

Certificate of Analysis

Description: Recombinant Interleukin-2 (IL-2) (Human)

Expiry Date: 09-24-2016

Size: 1.0 mg/vial

Cat #: HEILP-0201c

Lot #: H10102091

Test Parameters	Specification	Result
Purity ¹	Sample must exhibit >97% purity	98.89%
Biological Activity ²	The ED ₅₀ must be less than 0.1 ng/ml, corresponding to a specific activity of >1.0 x 10 ⁷ IU/mg	1.06 x 10 ⁷ IU/mg
Molecular Weight ³	Sample must have a molecular weight of 15.4±1.5 kDa	Pass
Endotoxin ⁴	Results must show ≤ 1.0 EU/mL	≤ 0.01 EU/mL
Physical Appearance	Sample must have a white, lyophilized powder appearance	Pass

Notes:

1. The sample is assayed for purity by SDS-PAGE and HPLC analyses.
2. The ED₅₀ is determined by a cell proliferation assay using murine CTLL-2 cells.
3. The sample is tested for molecular weight using SDS-PAGE.
4. The sample is tested for endotoxin contamination with LAL test.

Jane Chen

Jane Chen
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