

Certificate of Analysis

Description: Recombinant Human Monocyte Chemotactic Protein-1/CCL2

Preparation Date: 08-16-2012

Expiry Date: 08-15-2014

Cat #: HECCP-02011

Lot #: 204029081

Size: 5.0 µg/vial

Test Parameters	Specification	Result
Purity ¹	Sample must exhibit >96% purity.	97.03%
Biological Activity ²	The activity is in a concentration range of 10-100 ng/mL.	Pass
Molecular Weight ³	Sample must have a molecular weight of 8.7± 0.9 kDa.	Pass
Endotoxin ⁴	Results must show ≤ 1.0 EU/µg.	≤ 0.5 EU/µg
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 human monocytes.
3. The sample is tested for molecular weight using SDS-PAGE.
4. The sample is tested for endotoxin contamination with LAL test.

Jane Chen
QA Manager
Aug 23, 2012