

## Certificate of Analysis

**Description: Recombinant Rat Interleukin-6****Preparation Date:** 09-17-2013**Expiry Date:** 09-16-2015**Cat #: REILP-06011****Lot #: Z14106091****Size:** 2 µg/vial

Test Parameters	Specification	Result
Purity <sup>1</sup>	Sample must exhibit >95% purity.	96.16%
Biological Activity <sup>2</sup>	The ED <sub>50</sub> must be less than 0.01 ng/mL, corresponding to a specific activity of >1.0 x 10 <sup>8</sup> IU/mg.	2.05x 10 <sup>8</sup> IU/mg
Molecular Weight <sup>3</sup>	Sample must have a molecular weight of 27.1± 2.2 kDa.	Pass
Endotoxin <sup>4</sup>	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 ED<sub>50</sub> is determined by a cell proliferation assay using murine 7TD1 cells.
3. The sample is tested for molecular weight using SDS-PAGE.
4. The sample is tested for endotoxin contamination with LAL test.



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