PRODUCT DATA SHEET

Bioworld Technology,Inc.

Recombinant IL-6, Human

Catalog Number: BK0109-10μg Source: Escherichia coli. Quantity: 10μg

Description:

Interleukin-6 (IL-6, also known as IFN-β2) is a pleiotropic cytokine that plays important roles in acute phase reactions, inflammation, hematopoiesis, bone metabolism, and cancer progression. IL-6 is secreted by T cells and macrophages to stimulate immune response. IL-6 is responsible for stimulating acute phase protein synthesis, as well as the production of neutrophils in the bone marrow. It supports the growth of B cells and is antagonistic to regulatory T cells.Recombinant human Interleukin-6 (rhIL-6) produced in E.coli is a single non-glycosylated polypeptide chain containing 185 amino acids. A fully biologically active molecule, rhIL-6 has a molecular mass of 20.9 kDa analyzed by reducing SDS-PAGE and is obtained by proprietary chromatographic techniques at GenScript.

Molecular Weight:

20.9 kDa, observed by reducing SDS-PAGE.

Purity:

> 95% by SDS-PAGE analysis.

Biological Activity:

ED50 <0.1ng/ml, measured by the dose-dependent stimulation of the proliferation of IL-6 dependent murine 7TD1 cells, corresponding to a specific activity of > 1 x 10ˆ7 units/mg.

Physical Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation:

Lyophilized after extensive dialysis against 1xPBS.

AA Sequence:

MPVPPGEDSKDVAAPHRQPLTSSERIDKQIRY-ILDGISALRKETCNKSNMCESS-KEALAENNLNLPKMAEKDGCFQSGFNEETCLVK IITGLLEFEVYLEYLQNRFESSEEQARAVQM-STKVLIQFLQKKAKNLDAITTPDPTT-NASLLTKLQAQNQWLQDMTTHLILRS-FKEFLQSSLRALRQM

Endotoxin:

< 0.2 EU/μg, determined by LAL method.

Reconstitution:

Reconstituted in ddH2O at 100 μg/ml.

Storage:

Lyophilized recombinant human Interleukin-6 (rhIL-6) remains stable up to 6 months at -80℃ from date of receipt. Upon reconstitution, rhIL-6 should be stable up to 2 weeks at 4℃ or up to 3 months at -20℃.

Usage:

This material is offered by USA Bioworld biotech for research, laboratory or further evaluation purposes. For research use only.

Bioworld Technology, Inc.
1660 South Highway 100, Suite 500 St. Louis Park,MN 55416,USA.
Email: info@bioworlde.com
Tel: 6123263284 Fax: 6122933841

Bioworld technology, co, Ltd.
No 9, weidi road Qixia District Nanjing, 210046, P, R.China.
Email: info@biogot.com
Tel: 0086-025-86371664 Fax:0086-025-86213570