


CA1064	HumanKine™ IL-6			
	Prod. No. S2322-10UG	lot #: PR1XXXXXX XXXX	Orders & Support	866 372-7442 support@primorigen.com
	<i>For Research Use Only Not intended for use in humans or animals</i>		Web	www.primorigen.com

Pack Size	10 µg
Species	Human
Expression System	HEK 293*
	Animal-derived product free
Molecular Mass	26-30 kDa monomer, glycosylated
Activity	Typically 0.2 to 1 ng/mL ED50
Purity	≥ 95%
Endotoxin	≤ 1 EU/µg

Background:

Recombinant human IL-6 expressed in engineered human cells. IL-6 is a 26 to 30 kDa monomeric glycoprotein and belongs to the IL-6 type protein family. IL-6 is expressed by T-cells, endothelial cells, fibroblasts, and others; also expression can be stimulated by a number of different factors including, T cell mitogens, LPS, viruses, and IL-1. IL-6 is a pleiotropic cytokine that regulates the development, proliferation and maturation of a number of hematopoietic cells and is essential for the maturation of B cells. This cytokine can also influence the growth and function of nerve cells, metabolism of bone and induction of acute phase proteins in hepatocytes.

Note: Representative data are shown below (not Lot-specific).

Formulation:

Lyophilized in PBS.

Reconstitution:

Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile PBS containing 0.1% endotoxin-free recombinant human serum albumin.

Storage and Stability:

Lyophilized products are stable for one year at -20°C to -80°C from date of receipt. Store only at -20°C to -80°C in working aliquots. Avoid repeated freeze-thaw cycles.

Quality Control Testing

Assay:

The specific activity was determined by dose-dependent simulation of the proliferation of human TF-1 cells (human erythroleukemic indicator cell line).

Purity Confirmation:

The protein was resolved by SDS-polyacrylamide gel electrophoresis and the gel was stained with Coomassie blue.

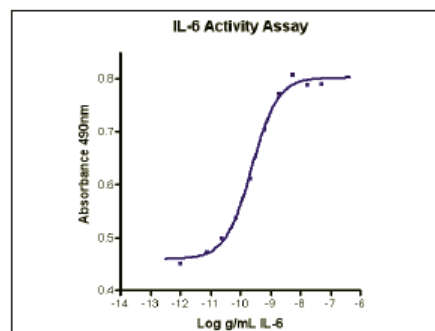
References:

Kitamura, T., et al (1989) J. Cell Physiol. 140, 323-334

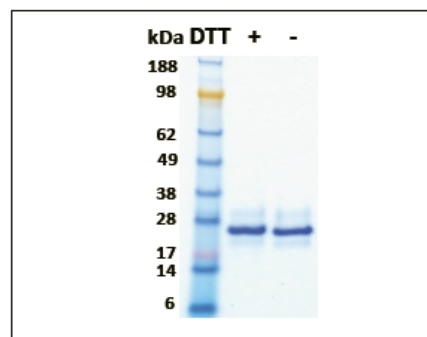
Naugler, W. E., et al (2008) Trends Mol Med
doi:10.1016/j.molmed.2007.12.007

**All HumanKine™ cytokines are expressed in HEK 293 cells.
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A. Activity Assay



B. SDS-PAGE



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