


CA1061	HumanKine™ IL-2			
	Prod. No. S2319-10UG <i>For Research Use Only</i> <i>Not intended for use in humans or animals</i>	lot #: PR1XXXXXX XXXX	Orders & Support Web	866 372-7442 support@primorigen.com www.primorigen.com

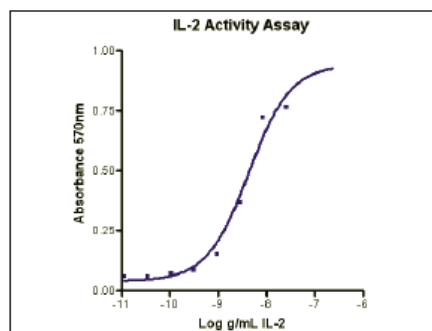
Pack Size	10 µg
Species	Human
Expression System	HEK 293*
	Animal-derived product free
Molecular Mass	15 kDa homodimer, glycosylated
Activity	Typically 0.2 to 2 ng/mL ED50
Purity	≥ 95%
Endotoxin	≤ 1 EU/µg

Background:

Recombinant human IL-2 expressed in engineered human cells. IL-2 is a 15 kDa glycosylated monomer and belongs to the IL-2 protein family. IL-2 is produced primarily by activated CD4+ T cells, but it is also expressed by naive CD8+ T cells, eosinophils, dendritic, and thymic cells. IL-2 is an essential activator of the immune response; it is required for the growth of T cells, activated B cells and T helper cell differentiation. IL-2 stimulates the activity of NK cells and is involved in anti-inflammatory reactions and in hematopoiesis.

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

A. Activity Assay



Formulation:

Lyophilized from a 0.2 micron filtered solution 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 the dose-dependent stimulation of the proliferation of mouse CTLL-2 cells (mouse cytotoxic T cell line).

Purity Confirmation:

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

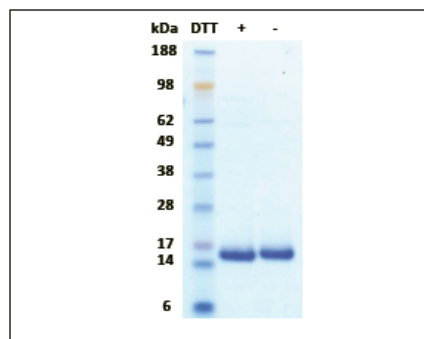
References:

Malek, T. R., (2008) Annual Review of Immunology 26, 453-479

Gearing A.J.H., et al (1987), in Lymphokines and Interferons, a Practical Approach p296

**All HumanKine™ cytokines are expressed in HEK 293 cells.
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B. SDS-PAGE



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