


CA1065	HumanKine™ IL-9			
	Prod. No. S2323-10UG	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

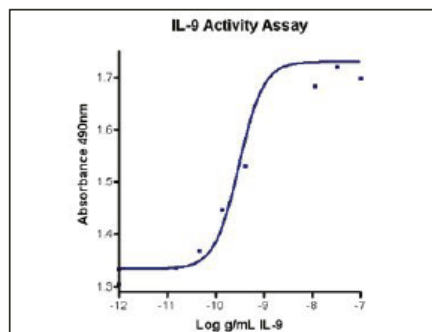
Pack Size	10 µg
Species	Human
Expression System	HEK 293*
	Animal-derived product free
Molecular Mass	38-48 kDa monomer, glycosylated
Activity	Typically 0.03 to 0.2 ng/mL
Purity	≥ 95%
Endotoxin	≤ 1 EU/µg

Background:

Recombinant human IL-9 expressed in engineered human cells. IL-9 is a 38 to 48 kDa monomeric glycoprotein and belongs to the IL -7/IL-9 protein family. IL-9 is expressed by a subset of T-helper cells identified as Th9 cells which may regulate chronic allergic inflammation. IL-9 increases the proliferation of T lymphocytes, mast cells and erthroid precursor cells.

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

A. Activity Assay



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 MO7e cells (human megakaryoblastic leukemia cell line).

Purity Confirmation:

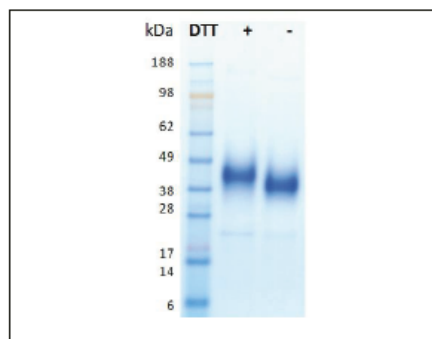
The protein was resolved by SDS-polyacrylamide gel electrophoresis and the gel was stained with Coomassie blue.

References:

Avanzi, G.C., et al (1988) Br. Jour Haem 69, 359-366
Ma, C.S., et al (2010) Immunol Cell Biol. 140, 323-334

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



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