


CA1068	<b>HumanKine™ IL-17 (IL-17A)</b>			
	<b>Prod. No. S2326-10UG</b>	<b>lot #: PR1XXXXXX XXXX</b>	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

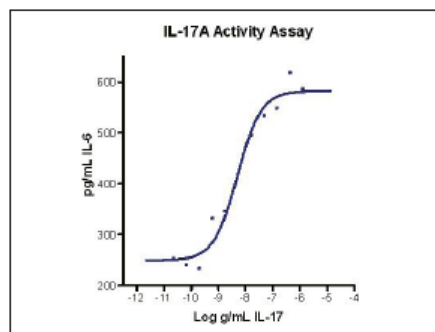
<b>Pack Size</b>	10 µg
<b>Species</b>	Human
<b>Expression System</b>	HEK 293*
	Animal-derived product free
<b>Molecular Mass</b>	30-35 kDa homodimer, glycosylated
<b>Activity</b>	Typically 20 to 25 ng/mL ED50
<b>Purity</b>	≥ 95%
<b>Endotoxin</b>	≤ 1 EU/µg

### Background:

Recombinant human IL-17 A expressed in engineered human cells. IL-17A is a 30 to 35 kDa glycosylated disulfide linked homodimer and belongs to the IL-17 protein family. IL-17A is produced by a subset of T-helper cells identified as Th17 cells. IL-17 is very important in inflammatory reactions and induces stromal cells to produce hematopoietic and proinflammatory cytokines. IL-17 up-regulates the production of various growth factors that promote angiogenesis and enhances expression of certain adhesion molecules in fibroblasts.

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

### A. Activity Assay



### Formulation:

Lyophilized in 10mM Tris-HCl pH 7.4, 250mM NaCl.

### 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 induction of IL-6 secretion from NDHF Adult fibroblasts.

#### Purity Confirmation:

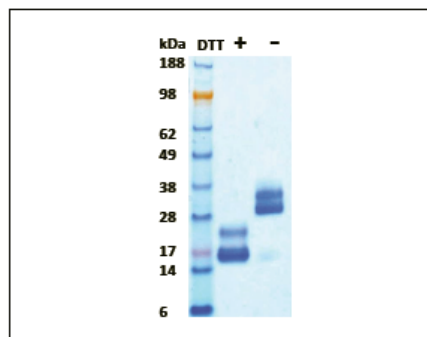
The protein was resolved by SDS-polyacrylamide gel electrophoresis and the gel was stained with Coomassie blue.

#### References:

Ogura, H., et al (2008) Immunity 29, 628-639  
Bettelli, E., et al (2008) Nature 453, 1051-1057

\*All HumanKine™ cytokines are expressed in HEK 293 cells.  
HumanKine™ is a trademark of HumanZyme Inc.

### B. SDS-PAGE



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