gibco
by life technologies

Recombinant Human Interleukin–17A (IL–17A)

Publication Number MAN0004385 **Rev.** 1.00

Catalog Number:	PHC0174
Quantity:	25 µg
Lot Number:	See product label.
Molecular Weight:	31.0 kDa homodimer containing two subunits, each with a molecular weight of 15.5 kDa and composed of 137 amino acid residues.
Purity:	≥98% as determined by SDS–PAGE and HPLC analyses.
Biological Activity:	ED_{50} ≤2 ng/mL (≥5 × 10^5 Units/mg). Biological activity is determined by measuring the IL–17 dose dependent production of IL–6 by human foreskin fibroblasts. IL–17 is effective at a concentration range of 0.1–20 ng/mL for most in vitro applications. The optimal concentration for each specific application should be determined by an initial dose response assay. IL–17, a cytokine which bears homology with the HVS13 protein from Herpes saimiri and with mouse CTLA8, is observed to stimulate IL–6 and IL–8 production and enhance ICAM-1 expression by human fibroblasts. This recombinant protein corresponds to human IL–17A.
Formulation:	Lyophilized powder without carrier protein. Sterile-filtered prior to lyophilization.
Endotoxin:	Endotoxin level is less than 0.1 ng per µg IL–17.
Production:	Recombinant human IL–17 is produced in E. coli and purified via sequential chromatography.
Reconstitution Recommendation:	We recommend that the vial be briefly centrifuged prior to opening to bring the contents to the bottom. This lyophilized protein should be reconstituted in sterile, distilled water or buffer to a concentration of 0.1-1.0 mg/mL. *Do not vortex*. This solution can be stored at 2°C to 8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein, such as 0.1% BSA and store in working aliquots at –20°C to –80°C.
Storage:	The lyophilized protein is stable at room temperature for 1 month, but should be kept at –20°C for long term storage. Working aliquots stored with a carrier protein are stable for at least 10 months at –20°C to –80°C. Avoid repeated freeze/thaw cycles.
Expiration Date:	See product label.

Explanation of Symbols

The symbols present on the product label are explained below:

Symbol	Description
REF	Catalog Number
RUO	Research Use Only
	Use by
	Manufacturer
[–]	Without, does not contain
	Protect from light
	Directs the user to consult instructions for use (IFU), accompanying the product.

Symbol	Description
LOT	Batch code
IVD	In vitro diagnostic medical device
	Temperature limitation
EC REP	European Community authorized representative
[+]	With, contains
	Consult accompanying documents

Limited Use Label License: Research Use Only

The purchase of this product conveys to the purchaser the limited, non-transferable right to use the purchased amount of the product only to perform internal research for the sole benefit of the purchaser. No right to resell this product or any of its components is conveyed expressly, by implication, or by estoppel. This product is for internal research purposes only and is not for use in commercial applications of any kind, including, without limitation, quality control and commercial services such as reporting the results of purchaser's activities for a fee or other form of consideration. For information on obtaining additional rights, please contact outlicensing@lifetech.com or Out Licensing, Life Technologies, 5791 Van Allen Way, Carlsbad, California 92008.

For Research Use Only. Caution: Not for human or animal therapeutic or diagnostic use.

Manufacturing site: 7335 Executive Way | Frederick, MD 21704 | Toll Free in USA 800.955.6288

.

For support visit www.lifetechnologies.com/support or email techsupport@lifetech.com

www.lifetechnologies.com

Revision Date 23 May 2011

life technologies™