

Recombinant Human IL-23








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

Rev. 2.00

| | | |
|---------------------------------------|---|---------|
| Catalog Number: | PHC9324 | PHC9321 |
| Quantity: | 10 µg | 100 µg |
| Lot Number: | See product label. | |
| Molecular Weight: | Migrate as a 55 kDa heterodimer protein on SDS-PAGE under non-reducing condition, or two bands of 40 kDa (p40) and 19 kDa (p19) under reducing condition. | |
| Purity: | ≥95% as determined by SDS-PAGE analysis and HPLC. | |
| Biological Activity: | ED ₅₀ ≤ 20.0 ng/mL, determined by its ability to induce IL-17 secretion by mouse splenocytes. The optimal concentration for each specific application should be determined by an initial dose-response assay. | |
| Formulation: | Lyophilized, carrier free. | |
| Sterility: | Filtered prior to lyophilization through a 0.22 micron sterile filter. | |
| Endotoxin: | <0.1 ng/µg | |
| Production: | Expressed by HEK 293 cells and purified via sequential chromatography. | |
| Reconstitution Recommendation: | Lyophilized human IL-23 should be reconstituted in water to a protein concentration of 0.1–1.0 mg/mL. 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 –80°C to –20°C. | |
| Suggested Working Dilutions: | The optimal concentration should be determined for each specific application. | |
| Storage: | Lyophilized human IL-23 should be stored at 2°C to 8°C, preferably desiccated. Store reconstituted human IL-23 at ≤ –20°C (not in a frost-free freezer). Keep freeze-thaw cycles to a minimum. | |
| Expiration Date: | Expires one year from date of receipt when stored as instructed. | |
| References: | Lupardus, P. and Garcia, C. (2008) The structure of interleukin-23 reveals the molecular basis of p40 subunit sharing with interleukin-12. JMB 382: 931–941. | |

Explanation of Symbols

The symbols present on the product label are explained below:

| Symbol | Description |
|---|---|
|  | Catalog Number |
|  | 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 |
|---|--|
|  | Batch code |
|  | In vitro diagnostic medical device |
|  | Temperature limitation |
|  | 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.

Manufactured under ISO 13485 Quality Standard

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

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