Cell Therapy Systems
Recombinant Human Interleukin 4 CTSTM
(IL-4)

PRODUCT ANALYSIS SHEET

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<td>CTP0041</td>
<td>100 µg</td>
<td>See product label</td>
<td>14.9 kDa</td>
<td>&gt;95% as determined by SDS-PAGE analysis.</td>
<td>HKCDITLQEI IKTLNSLTEQ KTLCTELVT DIFAASKNTT EKETFCRAAT VLRQFYSHHE KDTRCGLGATA QQFHRHKQLI RFLKRLDRNL WGLAGLNSCP VKEANQSTLE NFLERLKTIM REKYSKCSS</td>
<td>ED_{50} = 0.05 to 0.4 ng/mL (Specific Activity: 2.0 x 10^7 to 2.5 x 10^6 units/mg). The biological activity is determined by measuring the dose-dependent proliferation of human TF-1 cells. A concentration range of 0.1 to 10.0 ng/mL is effective for most in vitro applications.</td>
<td>Lyophilized, carrier free.</td>
<td>Filtered through a 0.22 micron sterile filter.</td>
<td>&lt;0.1 ng/µg</td>
<td>Recombinant human IL-4 is produced in E. coli and purified via sequential chromatography.</td>
<td>We recommend that the vial be briefly centrifuged prior to opening to bring the contents to the bottom. Lyophilized human IL-4 may be reconstituted in sterile deionized H_{2}O to 0.1-1.0 mg/mL to regain full activity. These stock solutions should be apportioned into working aliquots and stored at ≤–20°C. Further dilution should be made in low endotoxin medium or buffered solution with FCS or tissue culture grade BSA. It is recommended that all culture media containing supplements, such as growth factor, be sterile filtered prior to use for cell, gene, or tissue-based applications to minimize risk of contamination.</td>
<td>The optimal concentration should be determined for each specific application.</td>
<td>Lyophilized human IL-4 should be stored at 2 to 8°C, preferably desiccated. Store reconstituted human IL-4 at ≤–20°C (not in a frost-free freezer). Keep freeze-thaw cycles to a minimum.</td>
<td>Expires one year from date of receipt when stored as instructed.</td>
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References:


For Research Use or Non-Commercial Manufacturing of Cell Based Products for Clinical Research.

CAUTION: Not intended for direct administration into humans or animals www.invitrogen.com

Manufactured under ISO 13485 Quality Standard
In vitro diagnostic medical device

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