

# Recombinant Mouse Interleukin-15 (IL-15)








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

Rev. 1.00

<b>Catalog Number:</b>	PMC0155
<b>Quantity:</b>	10 µg
<b>Lot Number:</b>	See product label.
<b>Molecular Weight:</b>	13.3 kDa, 115 amino acid residues.
<b>Purity:</b>	≥98% as determined by SDS-PAGE and HPLC analyses.
<b>Biological Activity:</b>	ED <sub>50</sub> ≤5 ng/mL (≥ 2 × 10 <sup>5</sup> units/mg) determined by the dose dependent proliferation of murine CTLL-2 cells. The optimal concentration for each application should be determined by an initial dose response assay.
<b>Formulation:</b>	Sterile filtered through a 0.2 micron filter. Lyophilized from 10 mM Sodium Phosphate, pH 8.0.
<b>Endotoxin:</b>	<0.1 ng/µg
<b>Production:</b>	Recombinant mouse IL-15 is produced in <i>E. coli</i> and purified via sequential chromatography.
<b>Reconstitution Recommendation:</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute mouse IL-15 in sterile, distilled water to a concentration of 0.5–1.0 mg/mL. <i>Do not vortex</i> . 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
<b>Suggested Working Dilutions:</b>	The optimal concentration should be determined for each specific application.
<b>Storage:</b>	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 6 months at –20°C to –80°C. Avoid repeated freeze/thaw cycles.
<b>Expiration Date:</b>	See product label.
<b>References:</b>	Parada, N.A., et al. (1998) Synergistic activation of CD4+ T cells by IL-16 and IL-2. J. Immunol. 160(5):2115–2120. Kelly, E., A. Won, Y. Refaeli, and L. Van Parijs (2002) IL-2 and related cytokines can promote T cell survival by activating AKT. J. Immunol. 168(2):597–603.

## 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

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