

## Overview

<b>Synonyms</b>	NC300 (Human) P600 (Murine)
<b>Description</b>	<b>Interleukin-13 (IL-13)</b> , also known as T-cell activation protein P600, is an immunoregulatory cytokine belonging to the IL-4/IL-13 family. It is produced by activated Th2 cells, mast cells and NK cells. IL-13 signals through a receptor complex composed of IL-4R $\pm$ and IL13R $\pm$ 1 (or IL13R $\pm$ 2). IL-13 inhibits the expression of inflammatory cytokines such as IL-1 $^2$ , TNF- $\pm$ and IL-6 by monocytes and macrophages. It also induces B cell activation and IgE secretion.
<b>Accession No</b>	P20109
<b>Species</b>	Mouse
<b>Source</b>	CHO
<b>Biological Activity</b>	ED <sub>50</sub> < 20 ng/ml, measured in a cell proliferation assay using R&D TF-1 cells.
<b>Sequence</b>	<p>VVPRSVSLPL TLKELIEELS NITQDQTPLC NGSMVWSVDL</p> <p>AAGGFCVALD SLTNISNCNA IYRTQRILHG LCNRKAPTTV</p> <p>SSLPDTKIEV AHFITKLLSY TKQLFRHGPF HHHHHH</p>

## Properties

<b>Measured Molecular Weight</b>	14-30 kDa, observed by reducing SDS-PAGE.
<b>Purity</b>	> 95% as analyzed by SDS-PAGE.
<b>Formulation</b>	Lyophilized after extensive dialysis against PBS.
<b>Reconstitution</b>	Reconstituted in ddH <sub>2</sub> O or PBS at 100 $\mu$ g/ml.
<b>Endotoxin Level</b>	< 0.2 EU/ $\mu$ g, determined by LAL method.
<b>Storage</b>	Lyophilized recombinant <b>murine Interleukin-13 (IL-13), His</b> remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, murine Interleukin-13 (IL-13), His should be stable up to 1 week at 4°C or up to 2 months at -20°C.
<b>Note</b>	For research use only

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