

## IL-13, His, Mouse(CHO-expressed)

**Cat. No.:** Z03191-10

**Size:** 10.0 ug

**Synonyms:** NC300 (Human) P600 (Murine)

### Description:

Interleukin-13 (IL-13), 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 $\alpha$  and IL13R $\alpha$ 1 (or IL13R $\alpha$ 2). IL-13 inhibits the expression of inflammatory cytokines such as IL-1 $\beta$ , TNF- $\alpha$  and IL-6 by monocytes and macrophages. It also induces B cell activation and IgE secretion.

### Amino Acid Sequence:

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00001 PVPRSVSLPL TLKELIEELS NITQDQTPLC NGSMVWSVDL
00041 AAGGFCVALD SLTNISNCNA IYRTQRILHG LCNRKAPTTV
00081 SSLPDTKIEV AHFITKLLSY TKQLFRHGPF HHHHHH
```

**Source:** CHO

**Species:** Mouse

**Biological Activity:** ED<sub>50</sub> < 20 ng/ml, measured in a cell proliferation assay using R&D TF-1 cells.

**Molecular Weight:** 14-30 kDa, observed by reducing SDS-PAGE.

**Formulation:** Lyophilized after extensive dialysis against PBS.

**Reconstitution:** Reconstituted in ddH<sub>2</sub>O or PBS at 100  $\mu$ g/ml.

**Purity:** > 95% as analyzed by SDS-PAGE.

**Endotoxin Level:** < 0.2 EU/ $\mu$ g, determined by LAL method.

**Storage:** Lyophilized recombinant murine Interleukin-13 (IL-13), His 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.