

# PRODUCT DATA SHEET



Bioworld Technology, Inc.

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

Catalog Number: BK0231-50µg

Source: CHO

Quantity: 50µg

### 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.

### Molecular Weight:

14-30 kDa, observed by reducing SDS-PAGE.

### Purity:

> 95% as analyzed by SDS-PAGE.

### Biological Activity:

ED50 < 20 ng /ml, measured in a cell proliferation assay using R&D TF-1 cells.

### Physical Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

### Formulation:

Lyophilized after extensive dialysis against PBS.

### AA Sequence:

PVPRSVSLPLTLKELIEELSNITQDQT-  
PLCNGSMVWSVDLAAGGFCVALDSLNI  
SNCAIYRTQRILHGLCNRKAPTTVSSLP  
DPTKIEVAHFITKLLSYTKQLFRHGPFH  
HHHHH

### Endotoxin:

< 0.2 EU/µg, determined by LAL method.

### Reconstitution:

Reconstituted in ddH2O or PBS at 100 µg/ml.

### Storage:

Lyophilized recombinant murine Interleukin-13 (IL-13), His remains stable up to 6 months at -80 °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.

### Usage:

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