

PRODUCT DATA SHEET



Bioworld Technology, Inc.

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

Catalog Number: BK0231-10µg

Source: CHO

Quantity: 10µg

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 α and IL13R α 1 (or IL13R α 2). IL-13 inhibits the expression of inflammatory cytokines such as IL-1 β , TNF- α 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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