

IL-13 Protein, Mouse

Cat. No.:	HY-P70460
Synonyms:	Interleukin-13; IL-13; T-Cell Activation Protein P600; Il13; IL-13
Species:	Mouse
Source:	E. coli
Accession:	P20109 (S26-F131)
Gene ID:	16163
Molecular Weight:	Approximately 10.0 kDa

PROPERTIES

AA Sequence	S V S L P L T L K E L I E E L S N I T Q D Q T P L C N G S M V W S V D L A A G G F C V A L D S L T N I S N C N A I Y R T Q R I L H G L C N R K A P T T V S S L P D T K I E V A H F I T K L L S Y T K Q L F R H G P F
Biological Activity	The cell proliferation assay using TF-1 human erythroleukemic cells has an ED ₅₀ value of 0.1-1.6 ng/mL.
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM Histidine-HCl, 8% Trehalose, 4% Mannitol, 50 mM NaCl, 0.05% Tween 80, pH 6.0.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	IL-13 is a potent down-modulator of macrophage proinflammatory activity in vitro, similar in this context to the anti-inflammatory cytokines IL-4 and IL-10 ^[1] .
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REFERENCES

[1]. T Muchamuel, et al. IL-13 protects mice from lipopolysaccharide-induced lethal endotoxemia: correlation with down-modulation of TNF-alpha, IFN-gamma, and IL-12 production. J Immunol. 1997 Mar 15;158(6):2898-903.

Caution: Product has not been fully validated for medical applications. For research use only.

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