

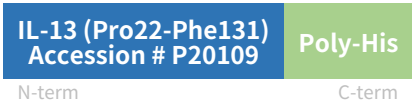
Rev04
Update: Mar,01,2022

DATASHEET

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

Cat. No.: Z03191

Product Introduction

Species	Mouse
Protein Construction	
Purity	> 95% as analyzed by SDS-PAGE
Endotoxin Level	< 0.2 EU/μg of protein by gel clotting method
Biological Activity	ED ₅₀ < 20.0 ng /ml, measured in a cell proliferation assay using R&D TF-1 cells.
Expression System	CHO
Apparent Molecular Weight	14~30 kDa, on SDS-PAGE under reducing conditions.
Formulation	Lyophilized after extensive dialysis against PBS.
Reconstitution	It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH ₂ O or PBS up to 100 μg/ml.
Storage & Stability	Upon receiving, this product remains stable for up to 6 months at lower than -70°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw cycles.

Background

Target Background : 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-4Rα and IL13Rα1 (or IL13Rα2). IL-13 inhibits the expression of inflammatory cytokines such as IL-1β, TNF-α and IL-6 by monocytes and macrophages. It also induces B cell activation and IgE secretion.

Synonyms : IL13; NC300 (Human); P600 (Murine)

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.