

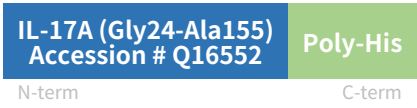
Rev05
Update: Jan,19,2024

DATASHEET

IL-17A, His, Human

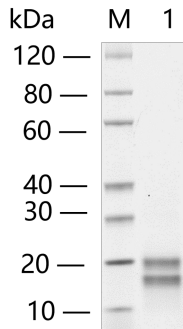
Cat. No.: Z03228

Product Introduction

Species	Human
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 < 10.0 ng/ml. Measured by its ability to induce IL-6 secretion by NIH 3T3 mouse embryonic fibroblast cells, corresponding to a specific activity of > 1.0 × 10 ⁵ units/mg.
Expression System	CHO
Apparent Molecular Weight	14~22 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.

Examples

Lane 1: 2 μ g of IL-17A, His, Human, reducing (R)
> 95% as analyzed by SDS-PAGE



Background

Target Background : Interleukin-17A (IL-17A), also known as CTLA-8 and IL-17, is a proinflammatory cytokine belonging to the IL-17 family. It is secreted by Th17 cells, gamma/delta T cells, NK cells and neutrophils. IL-17A signals through IL-17 receptor A in a complex with receptor C or D to regulate NF-kappaB and MAP kinase activities. IL-17A plays important roles in the anti-microbial response and chronic inflammation. It stimulates the production of IL-6, IL-8 and G-CSF in epithelial and endothelial cells, and induces the expression of ICAM-1 in fibroblasts. Clinically, IL-17A has been associated with inflammatory diseases, such as rheumatoid arthritis, psoriasis and multiple sclerosis.

Synonyms : IL17A, CTLA-8

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

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