Rev08
Update: Sep,11,2025

DATASHEET

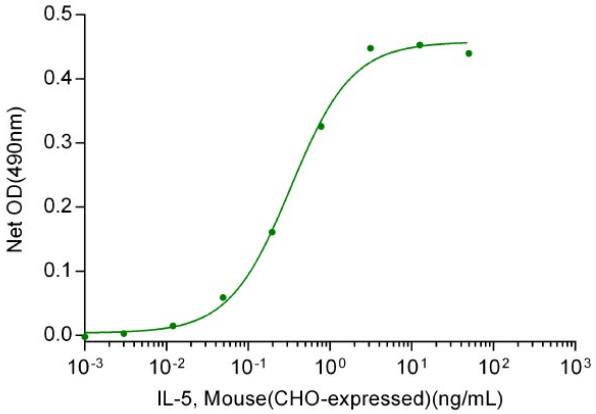
IL-5, Mouse(CHO-expressed)

Cat. No.: Z02995

Product Introduction

Species	Mouse
Protein Construction	**IL-5 (Met21-Gly133)** **Accession # P04401**
Purity	> 95% as analyzed by SDS-PAGE > 95% as analyzed by HPLC
Endotoxin Level	< 0.2 EU/μg of protein by gel clotting method
Biological Activity	ED_{50} < 0.5 ng/ml, measured in a cell proliferation assay using TF-1 cells, corresponding to a specific activity of > 2.0×10^6 U/mg.
Expression System	CHO
Apparent Molecular Weight	25~40 kDa, on SDS-PAGE under non-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_2O or PBS up to 100 μg/ml.
Storage & Stability	Upon receiving, this product remains stable for 6 months at lower than -70°C. Upon reconstitution, the product should be stable for 1 week at 4°C or for 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



ED_{50}< 0.5 ng/ml, measured in a cell proliferation assay using TF-1 cells, corresponding to a specific activity of > 2×10^6 units/mg.

Background

Target Background : Interleukin-5 (IL-5), produced by mast cells, T cells and eosinophils, is responsible for the activities attributed to eosinophil differentiating factor, B cell growth factor II and T cell-replacing factor (TRF). It can increase production and mobilization of eosinophils and CD34+ progenitors from the bone marrow. IL-5 plays an important role in inducing cell-mediated immunity against parasitic infections and certain tumors. IL-5 also promotes differentiation of basophils and primes them for histamine and leukotriene release.

Synonyms : IL5; EDF; BCDFII; TRF

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

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