

Rev04
Update: Mar,01,2022

DATASHEET

IL-2, Human

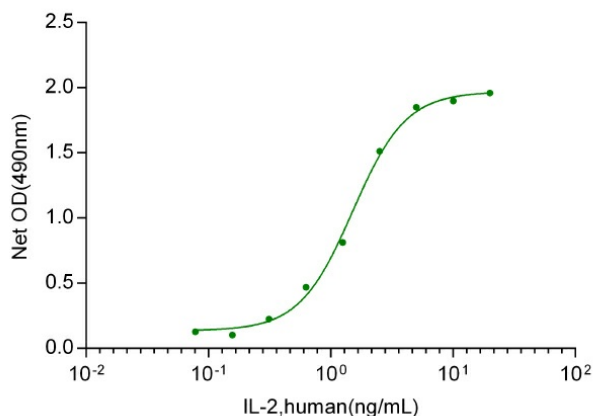
Cat. No.: Z03074

Product Introduction

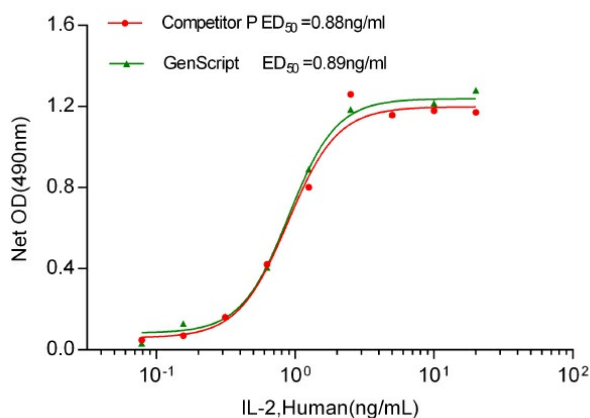
Species	Human
Protein Construction	IL-2 (Ala21-Thr153) Accession # P60568
Purity	> 95% as analyzed by SDS-PAGE
Endotoxin Level	< 0.2 EU/μg of protein by gel clotting method
Biological Activity	ED ₅₀ < 2.0 ng/ml, measured in a cell proliferation assay using CTLL-2 cells.
Expression System	HEK 293
Apparent Molecular Weight	15~16 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

ED₅₀ < 2ng/ml, measured in a cell proliferation assay using CTLL-2 cells.



GenScript product showed equal activity compared to competitor P



Background

Target Background : Interleukin-2 (IL-2) is a Oglycosylated, four α -helix bundle cytokine that has potent stimulatory activity for antigen-activated T cells. It is expressed by CD4⁺ and CD8⁺ T cells, $\gamma\delta$ T cells, B cells, dendritic cells, and eosinophils. IL-2/IL-2R signaling is required for T-cell proliferation and other fundamental functions which are essential for the immune response. IL-2 stimulates growth and differentiation of B-cells, NK cells, lymphokine activated killer cells, monocytes, macrophages and oligodendrocytes.

Synonyms : IL2; IL-2; TCGF; lymphokine; interleukin 2

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