

Rev03
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DATASHEET

IL-6R, Human

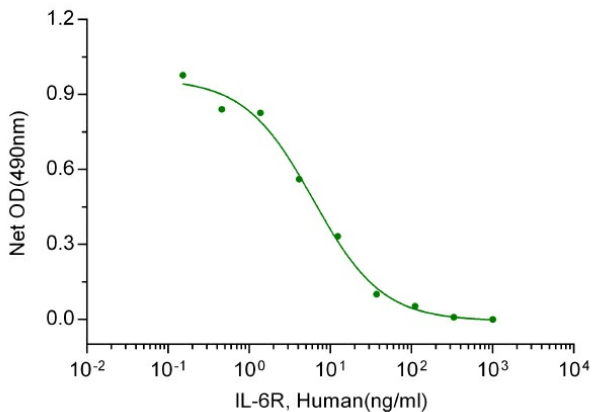
Cat. No.: Z03136

Product Introduction

Species	Human
Protein Construction	IL-6R (Leu20-Phe365) Accession # P08887
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 < 0.2 μg/ml, measured in a cell proliferation assay using M1 cells in the presence of 10.0 ng/ml human IL-6.
Expression System	CHO
Apparent Molecular Weight	54~56 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 < 0.2 µg/ml, measured in a cell proliferation assay using M1 cells in the presence of human IL-6.



Background

Target Background : Interleukin-6 Receptor Alpha, also known as IL-6RA, IL-6R1 and CD126, belongs to the type I cytokine receptor family. It is mainly expressed on T cells, fibroblasts and macrophages. IL-6RA couples with gp130 to form the IL-6 receptor; IL-6RA binds specifically to IL-6 and depends on gp130 to transmit signals. IL-6RA dysfunction has been correlated with the pathogenesis of many diseases, such as multiple myeloma, autoimmune diseases and prostate cancer. Soluble IL-6RA, which consists of only the extracellular domain of IL-6RA, acts as an agonist of IL-6 activity.

Synonyms : IL-6RA; IL-6R1; CD126; IL-6RA

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