

Rev06
Update: Aug,11,2025**DATASHEET**

IL-4 R, Human

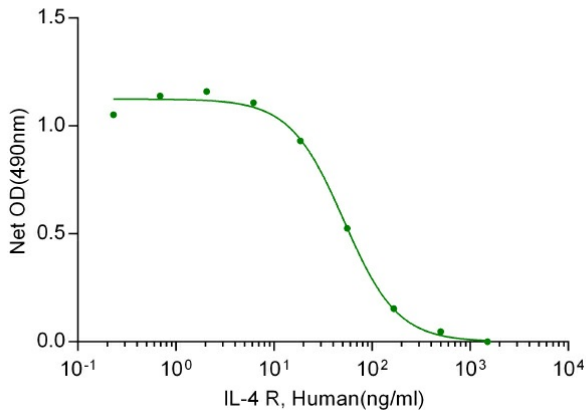
Cat. No.: Z03150

Product Introduction

Species	Human
Protein Construction	IL-4R (Gly24-His232) Accession # P24394
Purity	> 95% as analyzed by SDS-PAGE > 95% as analyzed by HPLC
Endotoxin Level	< 0.2 EU/ μ g of protein by gel clotting method
Biological Activity	ED ₅₀ < 70.0 ng/ml, measured in a neutralization assay using TF-1 cells in the presence of 0.5 ng/ml h-IL-4.
Expression System	HEK 293
Apparent Molecular Weight	40~45 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 μ g/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 < 70 ng/ml, measured in a neutralization assay using TF-1 cells in the presence of IL-4, Human(Z02925).



Background

Target Background : Interleukin-4 Receptor, also known as IL-4RA and CD124, is a transmembrane glycoprotein belonging to the class I receptor family. It is highly expressed by activated T-cells. IL-4RA couples with γ chain to form the type I receptor for IL-4. The extracellular domain of IL-4RA binds to IL-4 and antagonizes its activity. IL-4RA plays an important role in Th2 cell differentiation, Ig class switching and alternative macrophage activation. It has also been implicated in allergic inflammation, tumor progression and atherogenesis.

Synonyms : IL4R; CD124; IL-4RA; IL4RA; Interleukin-4 receptor; interleukin 4 receptor

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

Manufacturer: Nanjing GenScript Biotech Co., Ltd. No. 28Yongxi Road, Jiangning District, Nanjing, Jiangsu, China