

Rev02
 Update: Aug,08,2025

DATASHEET

IL-4 R alpha/CD124, His, Cynomolgus

Cat. No.: Z04844

Product Introduction

Species	Cynomolgus
Protein Construction	<div style="display: flex; align-items: center; justify-content: center;"> <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center;"> IL-4 R alpha/CD124 (Met26-Arg232) Accession # G7Q0S7 </div> <div style="background-color: #76b82a; color: white; padding: 5px; text-align: center; margin-left: 10px;"> His </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 5px; font-size: small;"> N-term C-term </div>
Purity	> 95% as determined by BisTris PAGE > 95% as determined by HPLC
Endotoxin Level	Less than 1 EU per µg by the LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Human IL4, No Tag at 5 µg/ml (100 µl/well) on the plate can bind IL-4 R alpha/CD124, His, Cynomolgus. Test result was comparable to standard batch.
Expression System	HEK293
Theoretical Molecular Weight	24.84 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 45-60 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4).
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage & Stability	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

Background

Target Background : Interleukin 4 Receptor alpha (IL-4 Ra), also known as CD124 and BSF receptor, is a widely expressed 140 kDa transmembrane glycoprotein in the class I cytokine receptor family. The effects of IL-4 are mediated after binding to high affinity receptor complexes present on hematopoietic as well as non-hematopoietic cells.

Synonyms : CD124; IL-4 R alpha; IL-4R subunit alpha; IL4R; IL-4Ra; IL4RACD124

For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.

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