

# Marmoset IL-4 R alpha/CD124 Protein

Cat. No. ILA-CM24R

## Description

|                         |   |
|-------------------------|---|
| <b>Source</b>           | Recombinant Marmoset IL-4 R alpha/CD124 Protein is expressed from HEK293 with His tag at the C-terminus. It contains Gly24-Lys231.  |
| <b>Accession</b>        | Q0PIT7  |
| <b>Molecular Weight</b> | The protein has a predicted MW of 24.72 kDa. Due to glycosylation, the protein migrates to 40-60 kDa based on Bis-Tris PAGE result. |
| <b>Endotoxin</b>        | Less than 1 EU per $\mu\text{g}$ by the LAL method.   |
| <b>Purity</b>           | > 95% as determined by Bis-Tris PAGE<br>> 95% as determined by HPLC   |

## Formulation and Storage

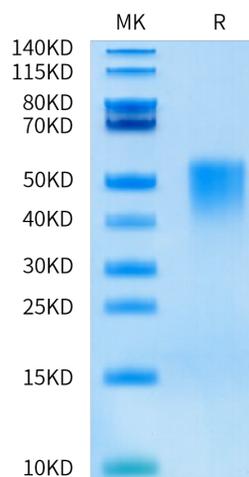
|                    |   |
|--------------------|---|
| <b>Formulation</b> | Supplied as 0.22 $\mu\text{m}$ filtered solution in PBS (pH 7.4).   |
| <b>Storage</b>     | Valid for 12 months from date of receipt when stored at $-80^{\circ}\text{C}$ . Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

## 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.

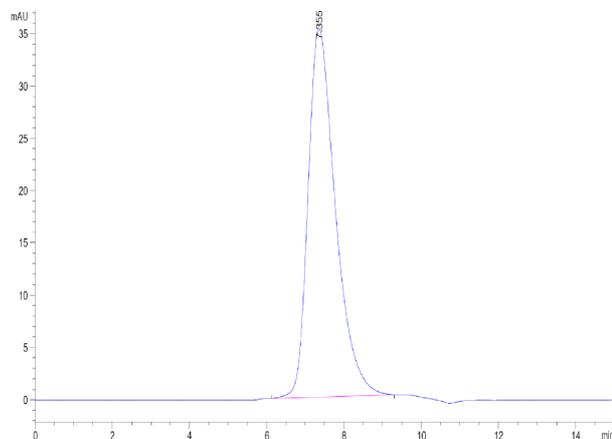
## Assay Data

### Bis-Tris PAGE



Marmoset IL-4 R alpha on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC



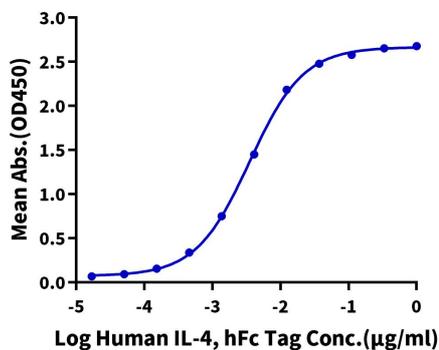
The purity of Marmoset IL-4 R alpha is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

**Marmoset IL-4 R alpha, His Tag ELISA**

0.1µg Marmoset IL-4 R alpha, His Tag Per Well

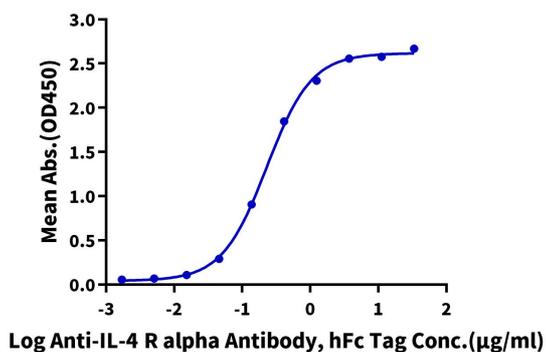


Immobilized Marmoset IL-4 R alpha, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Human IL-4, hFc Tag (Cat. IL4-HM201) with the EC50 of 3.5ng/ml determined by ELISA.

ELISA Data

**Marmoset IL-4 R alpha, His Tag ELISA**

0.5µg Marmoset IL-4 R alpha, His Tag Per Well



Immobilized Marmoset IL-4 R alpha, His Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Anti-IL-4 R alpha Antibody, hFc Tag with the EC50 of 0.23µg/ml determined by ELISA.