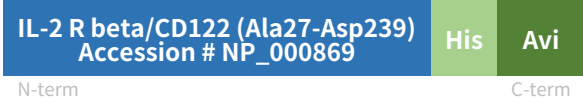


Rev02  
 Update: Aug,08,2025
**DATASHEET**

# IL-2 R beta/CD122[Biotin], His & Avi, Human

Cat. No.: Z04097

## Product Introduction

<b>Species</b>	Human
<b>Protein Construction</b>	 <small>N-term</small> <small>C-term</small>
<b>Conjugate</b>	Biotin
<b>Purity</b>	> 95% as determined by BisTris PAGE > 95% as determined by HPLC
<b>Endotoxin Level</b>	Less than 1EU per µg by the LAL method.
<b>Biological Activity</b>	Measured by its binding ability in a functional ELISA. Immobilized Human IL15Ra&IL15, His Tag at 1µg/ml (100µl/well) on the plate can bind IL-2 R beta/CD122[Biotin], His & Avi, Human. Test result was comparable to standard batch.
<b>Expression System</b>	HEK293
<b>Theoretical Molecular Weight</b>	27.5 kDa
<b>Apparent Molecular Weight</b>	Due to glycosylation, the protein migrates to 40-50 kDa based on Bis-Tris PAGE result.
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage &amp; Stability</b>	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 :** IL-2 R beta is a member of the cytokine receptor superfamily. Human IL-2 R beta cDNA encodes a 551 amino acid residue precursor Type I membrane protein with a 26 residue signal peptide, a 214 residue extracellular region, a 25 residue transmembrane region and a 286 residue cytoplasmic domain. Functional IL-2 receptors can exist in two affinity states on cell surfaces, the high affinity complex consisting of heterotrimers of the alpha, beta, and gamma chains, and the intermediate affinity complex comprising heterodimers of the beta and gamma chains.

**Synonyms :** CD122; IL-15 R beta; IL-2 R beta; IL-2R subunit beta; IL2RB; P70-75; p75; RP5-1170K4.6; IL-15 R β; IL-2 R β; IL-2R subunit β

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

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