

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

# IL-1R2/IL-1 RII/CD121b, His, Mouse

Cat. No.: Z06197

## Product Introduction

<b>Species</b>	Mouse
<b>Protein Construction</b>	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center;">           IL-1R2/IL-1 RII/CD121b (Phe14-Glu355)_x000D_            Accession # P27931         </div> <div style="background-color: #76b82a; color: white; padding: 5px; text-align: center;">           His         </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <span>N-term</span> <span>C-term</span> </div>
<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 IL-1R2/IL-1 RII/CD121b, His, Mouse at 5µg/ml (100µl/well) on the plate can bind Biotinylated Mouse IL1 Beta, His Tag. Test result was comparable to standard batch.
<b>Expression System</b>	HEK293
<b>Theoretical Molecular Weight</b>	39.2 kDa
<b>Apparent Molecular Weight</b>	Due to glycosylation, the protein migrates to 60-70 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 :** Interleukin (IL)-1 has been reported to be involved in the development of tuberculosis (TB). IL1R1 and IL1R2 encode a cytokine receptor that belongs to the IL-1 receptor family. IL1R2 (Interleukin 1 Receptor Type 2) is a Protein Coding gene. Diseases associated with IL1R2 include Endometriosis and Mastitis. Among its related pathways are Hematopoietic cell lineage and IL-1 signaling pathway. Gene Ontology (GO) annotations related to this gene include interleukin-1 receptor activity and interleukin-1, type II, blocking receptor activity.

**Synonyms :** IL-1R-2; IL-1RT-2; IL-1RT2; CDw121b; IL-1R-beta; CD121b; IL1RB; IL1R2; IL-1 RII; MGC47725; IL-1R-β

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