

Rev02  
 Update: Aug,08,2025

**DATASHEET**

# CD161, His, Cynomolgus

Cat. No.: Z04107

## Product Introduction

|                                     |  |
|-------------------------------------|--|
| <b>Species</b>                      | Cynomolgus   |
| <b>Protein Construction</b>         | <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center;"> <b>CD161 (Gln67-Leu227)</b><br/>           Accession # XP_005570142.1         </div> <div style="background-color: #76b82a; color: white; padding: 5px; text-align: center;"> <b>His</b> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 5px; font-size: small;"> <span>N-term</span> <span>C-term</span> </div> |
| <b>Purity</b>                       | > 95% as determined by BisTris PAGE<br>> 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 CD161, His, Cynomolgus at 2µg/ml (100µl/well) on the plate can bind AntiCD161 Antibody, hFc Tag. Test result was comparable to standard batch.  |
| <b>Expression System</b>            | HEK293   |
| <b>Theoretical Molecular Weight</b> | 20.21 kDa  |
| <b>Apparent Molecular Weight</b>    | Due to glycosylation, the protein migrates to 38-48 kDa based on Bis-Tris PAGE result.   |
| <b>Formulation</b>                  | Lyophilized from 0.22 µm 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 :** CD161 (NKR1) is a lectin-like receptor present on NK cells and rare T-cell subsets. We have observed CD161 expression in some cases of T-cell prolymphocytic leukemia (T-PLL) and found it to be useful in follow-up and detection of disease after treatment.

**Synonyms :** KLRB1; CLEC5B; NKR1A; NKR-P1A; HNKR-P1a; CD161; Ly59; NKR; NKR1; NKR-P1; NKR1ANKR

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