Rev02
Update: Aug,08,2025

DATASHEET

CD161[Biotin], His & Avi, Cynomolgus

Cat. No.: Z04046

Product Introduction

Species	Cynomolgus
Protein Construction	
Conjugate	Biotin
Purity	> 95% as determined by BisTris PAGE > 95% as determined by HPLC
Endotoxin Level	Less than 1EU per μg by the LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized CD161[Biotin], His & Avi, Cynomolgus at 0.5μg/ml (100μl/Well) on the streptavidin precoated plate (5μg/ml) can bind AntiCD161 Antibody, hFc Tag. Test result was comparable to standard batch.
Expression System	HEK293
Theoretical Molecular Weight	21.5 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 37-42 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22μm 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 : CD161 (NKRP1) 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; NKRP1A; NKR-P1A; HNKR-P1a; CD161; Ly59; NKR; NKRP1; NKR-P1; NKRP1ANKR

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