

Rev03
 Update: Aug,08,2025

DATASHEET

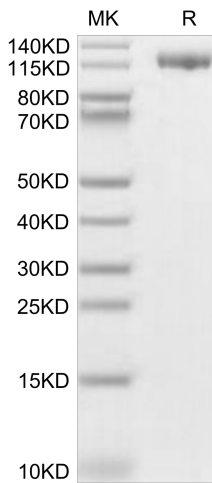
CD21, His, Human

Cat. No.: Z04171

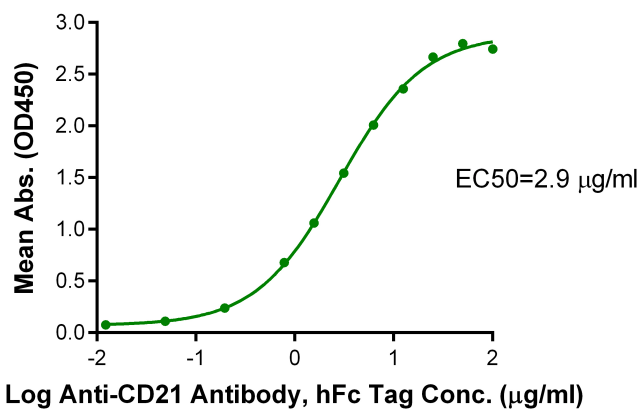
Product Introduction

Species	Human
Protein Construction	<div style="display: flex; align-items: center; justify-content: center;"> <div style="background-color: #0056b3; color: white; padding: 5px; margin-right: 10px;"> CD21 (Ile21-Arg971) Accession # P20023-1 </div> <div style="background-color: #76b82a; color: white; padding: 5px; margin-left: 10px;"> His </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 5px;"> N-term C-term </div>
Purity	> 95% as determined by Bis-Tris 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 CD21, His, Human at 1µg/ml (100µl/well) on the plate can bind Anti-CD21 Antibody, hFc Tag. Test result was comparable to standard batch.
Expression System	HEK293
Theoretical Molecular Weight	105.3 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 110-130 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from a 0.22 µm 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.

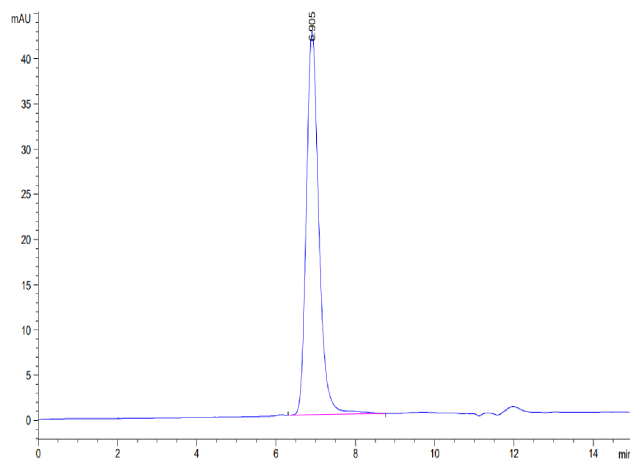
Examples



CD21, His, Human on Bis-Tris PAGE under reduced condition.
 The purity is greater than 95%.



Immobilized CD21, His, Human, His Tag at 1 µg/ml (100 µl/well) on the plate. Dose response curve for Anti-CD21 Antibody, hFc Tag with the EC50 of 2.9 ng/ml determined by ELISA.



The purity of CD21, His, Human is greater than 95% as determined by SEC-HPLC.

Background

Target Background : CD21 mRNA expression, an EBV-entry receptor, was transiently detected in NK cells after exosome treatment, and levels decreased after further culture. CD21 protein expression was also transiently transferred to NK cells after co-culture with an EBV-positive Burkitt lymphoma cell line (Raji) via trogocytosis. However, EBV did not infect NK cells through CD21-mediated trogocytosis.

Synonyms : EBV receptor; CD21; C3DR; CR2; C3DRSLEB9; CVID7; SLEB9

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

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