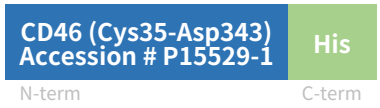
Rev04
Update: Jan,22,2026

DATASHEET

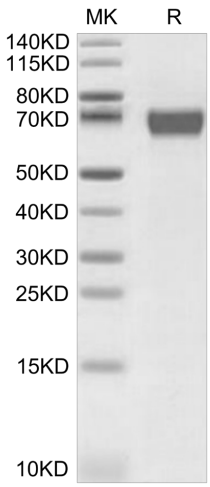
CD46, His, Human

Cat. No.: Z04211

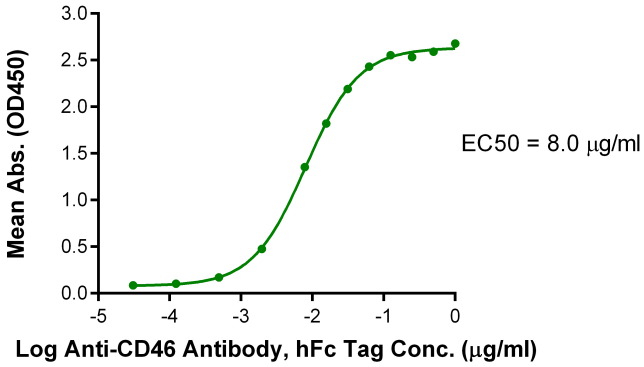
Product Introduction

Species	Human
Protein Construction	
Purity	> 95% as determined by BisTris PAGE
Endotoxin Level	Less than 1EU per μg by the LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA.Test result was comparable to standard batch.
Expression System	HEK293
Theoretical Molecular Weight	35.4 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 60-70 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 for 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.

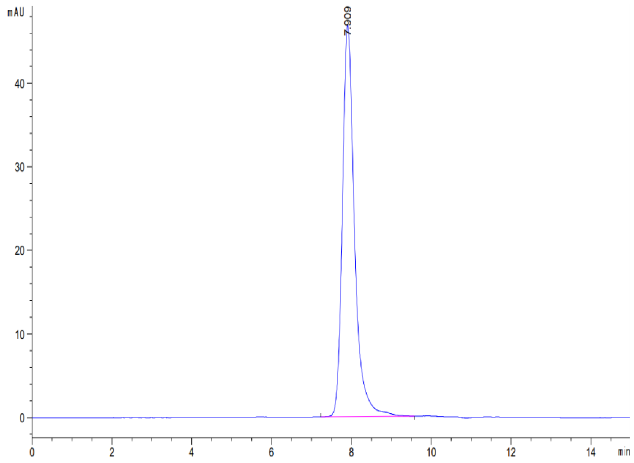
Examples



CD46, His, Human on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.



Immobilized CD46, His, Human, His Tag at 0.5 μg/ml (100 μl/well) on the plate. Dose response curve for Anti-CD46 Antibody, hFc Tag with the EC50 of 8.0ng/ml determined by ELISA.



The purity of CD46, His, Human is greater than 95% as determined by SEC-HPLC.

Background

Target Background : CD46 was discovered in 1986 during a search for novel C3b-binding proteins. CD46 is expressed ubiquitously and functions as a co-factor in the factor I-mediated proteolytic cleavage of C3b and C4b. Its vital role in preventing complement deposition on host tissue is underpinned by the fact that deficiency of CD46 is a predisposing factor for numerous disease conditions arising from complement-mediated 'self-attack'.

Synonyms : TLX; CD46; MCP; MIC10; AHUS2; TRA2.10

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

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