Rev04
Update: Aug,20,2025

DATASHEET

Complement Factor D/CFD hFc Chimera, Human

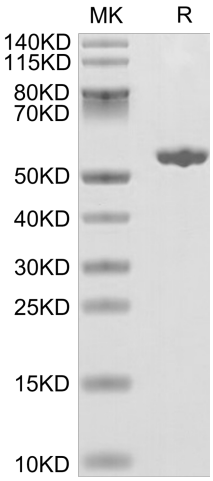
Cat. No.: Z05191

Product Introduction

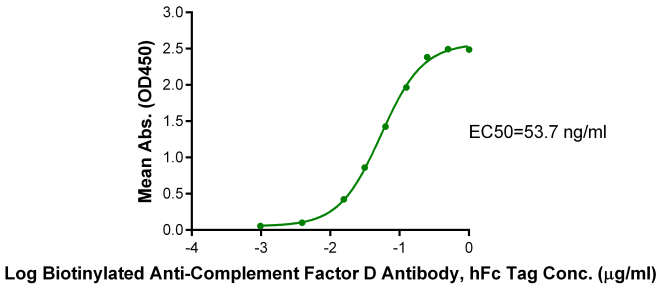
Species	Human
Protein Construction	
Purity	> 95% as determined by Bis-Tris PAGE
Endotoxin Level	Less than 1EU per μg by the LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA. Test result was comparable to standard batch.
Expression System	HEK293
Theoretical Molecular Weight	51.2 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 52-60 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

GenScript USA, Inc.
860 Centennial Ave. Piscataway, NJ 08854
Tel: 1-732-885-9188



Complement Factor D/CFD hFc Chimera, Human on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.



Immobilized Complement Factor D/CFD hFc Chimera, Human, hFc Tag at 2 μg/ml (100 μl/well) on the plate. Dose response curve for Biotinylated Anti-Complement Factor D Antibody, hFc Tag with the EC50 of 53.7 ng/ml determined by ELISA.

Background

Target Background : Complement factor D is a serine protease essential for the activation of the alternative pathway and is expressed in the kidney, adipocytes, and macrophages. Factor D is found at relatively high levels in glomeruli suggesting that this component of the complement cascade could influence renal pathophysiology.Complement factor D or alternative pathway activation is needed to prevent spontaneous accumulation of C3 and IgM deposits within the mesangium.

Synonyms : Adipsin; C3 convertase activator; Complement factor D; CFD; PFD; DF; ADN; FACTOR D; AMBP-1; EC 3.4.21; EC 3.4.21.46

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

Manufacturer: Nanjing GenScript Biotech Co., Ltd. No. 28Yongxi Road, Jiangning District, Nanjing, Jiangsu, China