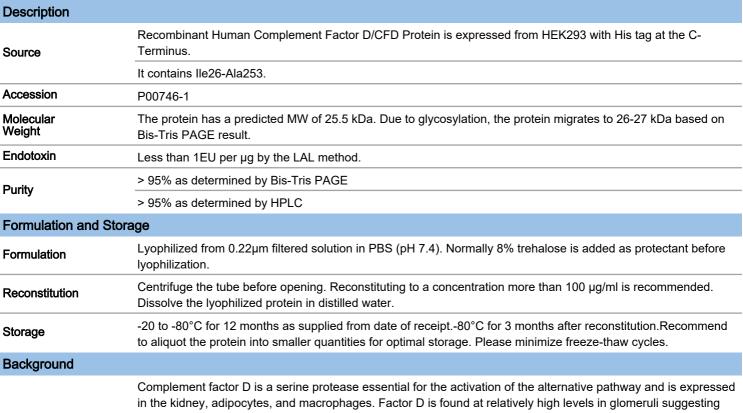
### Human Complement Factor D/CFD Protein

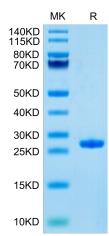
Cat. No. CFD-HM101



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.

### **Assay Data**

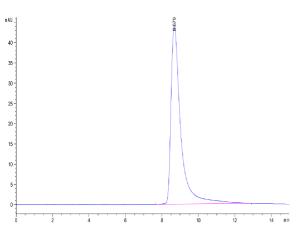




Human Complement Factor D on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

KAGJUS

SEC-HPLC



The purity of Human Complement Factor D is greater than 95% as determined by SEC-HPLC.

# Human Complement Factor D/CFD Protein

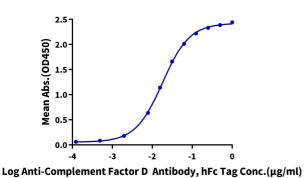
Cat. No. CFD-HM101

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# Assay Data

## ELISA Data

Human Complement Factor D, His Tag ELISA 0.1µg Human Complement Factor D, His Tag Per Well



Immobilized Human Complement Factor D, His Tag at  $1\mu$ g/ml (100 $\mu$ l/Well) on the plate. Dose response curve for Anti-Complement Factor D Antibody, hFc Tag with the EC50 of 18.1ng/ml determined by ELISA (QC Test).

#### **Bioactivity Data**

Measured by its ability to cleave a colorimetric peptide substrate, N-carbobenzyloxy-Lys-ThioBenzyl ester (Z-Lys-SBzI), in the presence of 5,5'Dithio-bis (2-nitrobenzoic acid) (DTNB). The specific activity is >70 pmoles/min/ $\mu$ g (QC Test).