Mouse Complement Factor D/CFD Protein, Ultra Low Endotoxin

Cat. No. CFD-MM201-UL

Description

Source	Recombinant Mouse Complement Factor D/CFD Protein is expressed from HEK293 with hFc tag at the C-Terminus.
	It contains Ile26-Ser259.
Accession	P03953-1
Molecular Weight	The protein has a predicted MW of 52.2 kDa. Due to glycosylation, the protein migrates to 60-70 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.001 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

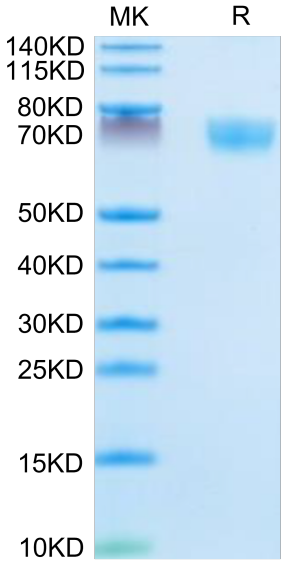
Formulation	Lyophilized from 0.22 μm filtered solution in 20mM Tris, 500mM NaCl (pH 7.4). Normally 8% mannitol is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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.

Assay Data

Bis-Tris PAGE



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

SEC-HPLC

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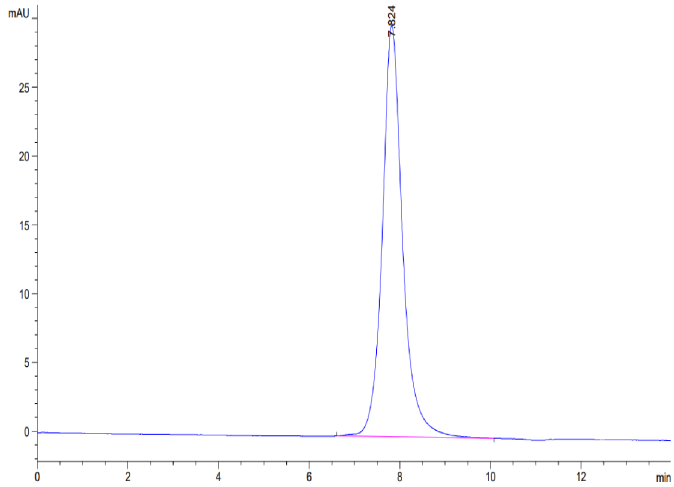

The purity of Mouse Complement Factor D is greater than 95% as determined by SEC-HPLC.