

Mouse Complement C3 Protein

Cat. No. CC3-MM101



Description

Source	Recombinant Mouse Complement C3 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Ile25-Asn1663.
Accession	P01027-1
Molecular Weight	The protein has a predicted MW of 187.86 kDa. Due to glycosylation, the protein migrates to 65-68 kDa, 110-115 kDa and 165-180 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

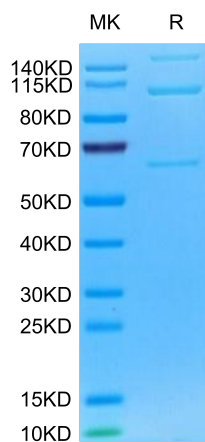
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-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 component 3 (C3), a pivotal molecule in the complement system, is an essential immune mediator in various diseases, including psoriasis. C3 deficiency promoted imiquimod-induced skin cell apoptosis and supported greater proportions of IFN-γ T cells in the inflamed tissues.

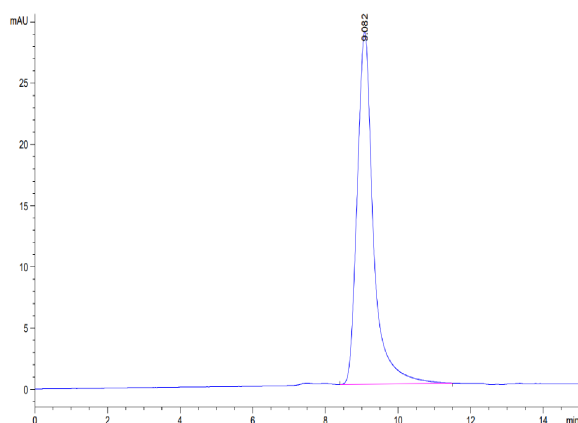
Assay Data

Bis-Tris PAGE



Mouse Complement C3 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Mouse Complement C3 is greater than 95% as determined by SEC-HPLC.