Mouse CD21 Protein

Cat. No. CD2-MM121

Description

Source	Recombinant Mouse CD21 Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Ile12-Trp963.
Accession	P19070
Molecular Weight	The protein has a predicted MW of 106.03 kDa. Due to glycosylation, the protein migrates to 130-160 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 90% as determined by Tris-Bis PAGE

Formulation and Storage

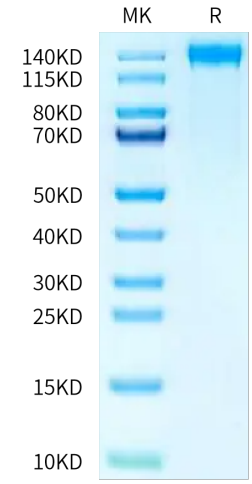
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3-6 months after reconstitution.2-8°C for 2-7 days after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

A natural soluble form of CD21 that is cleaved from lymphocyte membrane CD21 circulates in normal human serum. Soluble CD21 retains the capacity to bind iC3b and CD23, the known ligands of membrane CD21. In a similar fashion to IgE complexes, another ligand of CD23, the soluble CD21 was shown to efficiently trigger CD23-signalling pathways in human monocytes.

Assay Data

Tris-Bis PAGE



Mouse CD21 on Tris-Bis PAGE under reduced condition. The purity is greater than 90%.