Cynomolgus MD2 Protein

Cat. No. MD2-CE102

Description

Source	Recombinant Cynomolgus MD2 Protein is expressed from E.coli with His tag at the C-Terminus.
	It contains Gln19-Asn160.
Accession	B3Y6B0
Molecular Weight	The protein has a predicted MW of 17.97 kDa same as Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE

Formulation and Storage

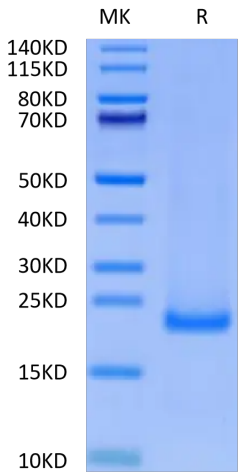
Formulation	Lyophilized from 0.22μm filtered solution in 4mM HCL. Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in 4mM HCL.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-20 to -80°C for 3-6 months in unopened state 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

MD2, a 160-residue accessory glycoprotein, is responsible for the recognition and binding of Gram-negative bacterial membrane component, lipopolysaccharide (LPS).Internalization of pathogen inside the mononuclear phagocytes has also been attributed to MD2 which leads to the clearance of pathogens from the host.

Assay Data

Tris-Bis PAGE



Cynomolgus MD2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.