Human CD300LF Protein

Cat. No. CD3-HM2LF

Description

Source	Recombinant Human CD300LF Protein is expressed from HEK293 with hFc tag at the C-Terminus.
	It contains Thr20-Ser156.
Accession	Q8TDQ1-1
Molecular Weight	The protein has a predicted MW of 42.1 kDa. Due to glycosylation, the protein migrates to 50-60 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

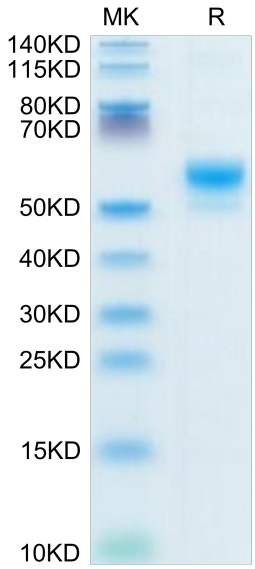
Formulation	Supplied as 0.22μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Murine norovirus (MNoV) is an important model of human norovirus (HNoV) and mucosal virus infection more broadly. CD300lf as a proteinaceous receptor for MNoV. Interestingly, its paralogue CD300ld was also sufficient for MNoV infection in vitro. CD300lf is essential for both oral and parenteral MNoV infection and to elicit anti-MNoV humoral responses in vivo. human CD300lf (huCD300lf) is not essential for HNoV infection, nor does huCD300lf inhibit binding of HNoV virus-like particles to glycans.

Assay Data

Bis-Tris PAGE



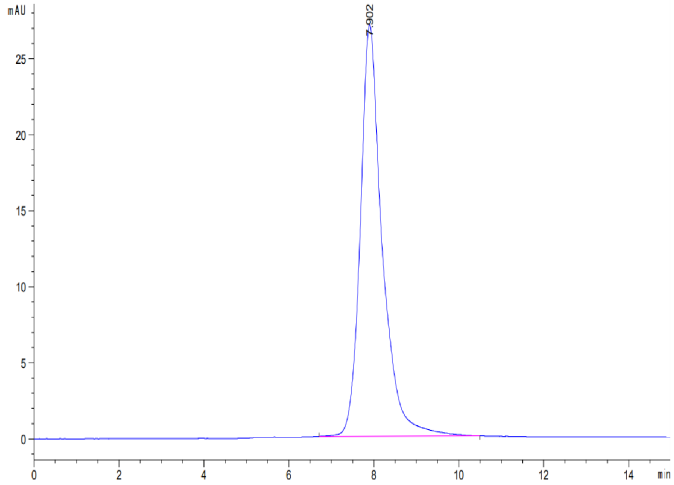
Human CD300LF on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Human CD300LF Protein

Cat. No. CD3-HM2LF

Assay Data



The purity of Human CD300LF is greater than 95% as determined by SEC-HPLC.