Non-biotinylated Human CLEC2D Protein, Ultra Low Endotoxin

Cat. No. CLD-HM52D-UL

Description

Source	Recombinant Human CLEC2D Protein is expressed from HEK293 with hFc (IgG1) tag and Avi tag at the N-Terminus.
	It contains Arg60-Val191.
Accession	Q9UHP7-1
Molecular Weight	The protein has a predicted MW of 59.1 kDa. Due to glycosylation, the protein migrates to 72-78 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 90% as determined by HPLC

Formulation and Storage

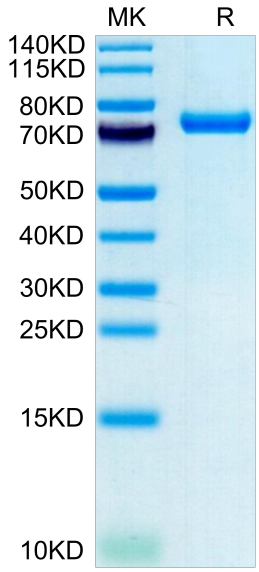
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 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

C-type lectin domain family 2, member D (CLEC2D) is implicated in the immune response. Pre-eclampsia and HIV infection have opposing immune responses. The contrasting expression of CLEC2D in HIV infection and pre-eclampsia is demonstrative of the immunosuppressive and pro-inflammatory roles of the respective pathologies. However, this implication may be confounded by highly active anti-retroviral treatment (HAART).

Assay Data

Bis-Tris PAGE



Human CLEC2D on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

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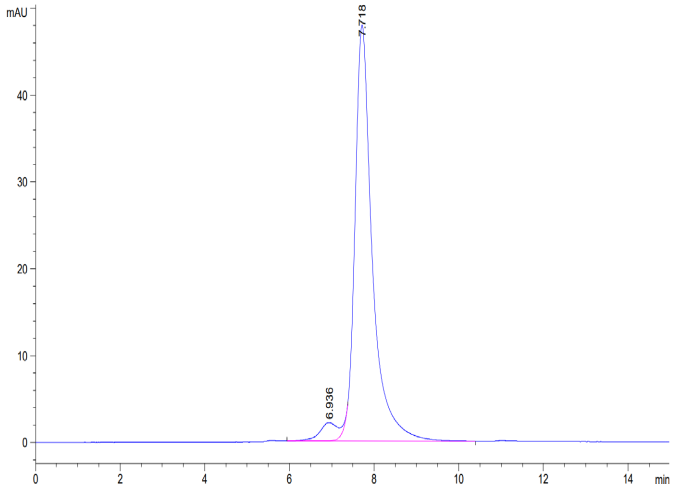

The purity of Human CLEC2D is greater than 90% as determined by SEC-HPLC.