

Human CD69/CLEC2C Protein

Cat. No. CD6-HM196

Description

Source	Recombinant Human CD69/CLEC2C Protein is expressed from HEK293 with His tag at the N-Terminus. It contains Ser62-Lys199.
Accession	Q07108
Molecular Weight	The protein has a predicted MW of 17.07kDa. Due to glycosylation, the protein migrates to 24-27kDa 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

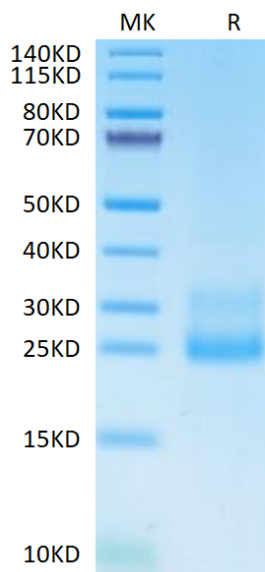
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled 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

CLEC2C (CD69) is a membrane-bound, type II C-lectin receptor and acts as a costimulatory molecule for T cell activation and proliferation. It is involved in lymphocyte proliferation and functions as a signal transmitting receptor in lymphocytes, natural killer (NK) cells, and platelets. CLEC2C is a disulfide-linked homodimer protein with two differentially glycosylated subunits.

Assay Data

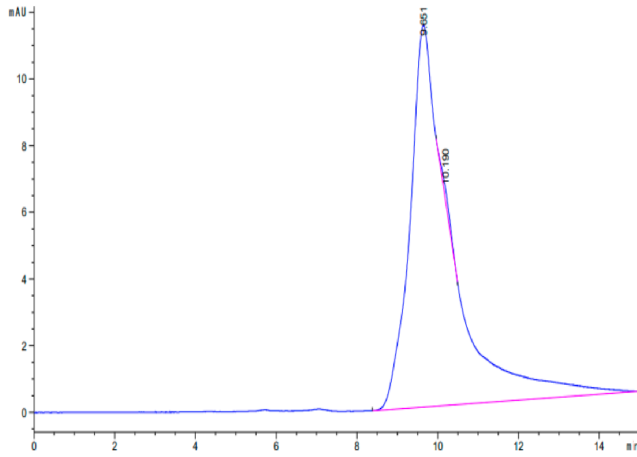
Bis-Tris PAGE



Human CD69 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Assay Data



The purity of Human CD69 is greater than 95% as determined by SEC-HPLC.