Human CD300c/LMIR2 Protein

Cat. No. CD3-HM13C

Description

Source	Recombinant Human CD300c/LMIR2 Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Gly21-Arg183.
Accession	Q08708
Molecular Weight	The protein has a predicted MW of 18.94 kDa. Due to glycosylation, the protein migrates to 38-53 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE
	> 95% as determined by HPLC

Formulation and Storage

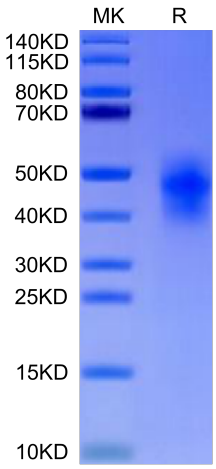
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -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

CMRF35-like molecule-1 (CLM-1, also named CD300c) belongs to a receptor family mainly expressed in myeloid cells that include activating and inhibitory receptors. CLM-1 contains two ITIMs and a single immunoreceptor tyrosine-based switch motif (ITSM), although also displays a binding site for p85α regulatory subunit of PI3K.

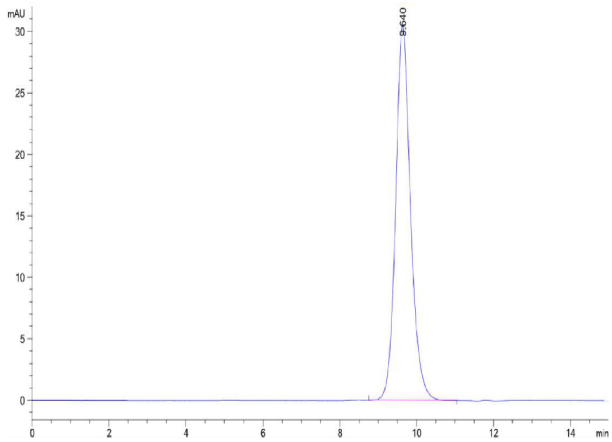
Assay Data

Tris-Bis PAGE



Human CD300c on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Human CD300c is greater than 95% as determined by SEC-HPLC.

For Research Use Only