

Mouse CD43 Protein

Cat. No. CD4-MM143

Description

Source	Recombinant Mouse CD43 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Asp20-Gly248.
Accession	P15702
Molecular Weight	The protein has a predicted MW of 23.6 kDa. Due to glycosylation, the protein migrates to 80-120 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

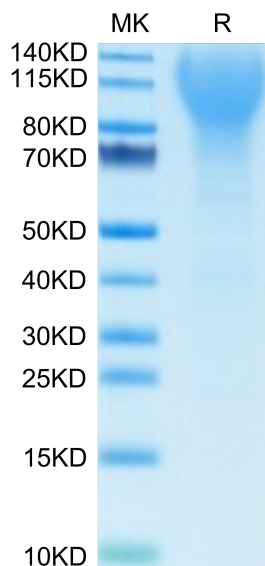
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended. Dissolve the lyophilized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

CD43 is a large transmembrane protein involved in T cell activation. Previous studies of CD43^{-/-} mice in viral models have demonstrated a role for CD43 in Th1/Th2 skewing, activation of Foxp3 Treg, and T cell apoptosis. CD43 (leukosialin) is a large sialoglycoprotein abundantly expressed on the surface of most cells from the hematopoietic lineage. CD43 is directly involved in the contact between cells participating in a series of events such as signaling, adherence and host parasite interactions.

Assay Data

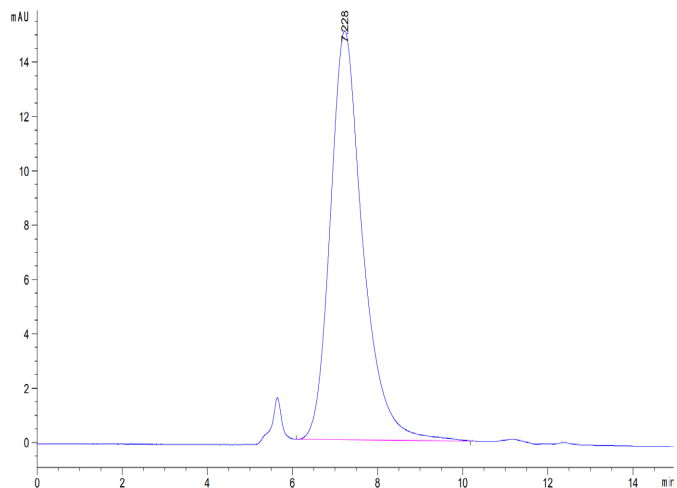
Bis-Tris PAGE



Mouse CD43 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Assay Data



The purity of Mouse CD43 is greater than 95% as determined by SEC-HPLC.