

Mouse CD34 Protein

Cat. No. CD3-MM134

Description

Source	Recombinant Mouse CD34 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Thr35-Thr287.
Accession	Q64314-1
Molecular Weight	The protein has a predicted MW of 28.3 kDa. Due to glycosylation, the protein migrates to 68-85 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

Formulation and Storage

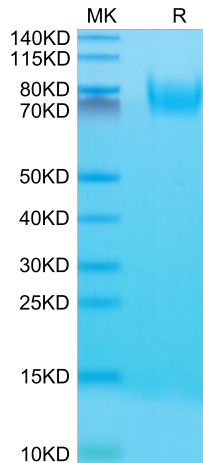
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled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

CD34 is a transmembrane phosphoglycoprotein, first identified on hematopoietic stem and progenitor cells. Clinically, it is associated with the selection and enrichment of hematopoietic stem cells for bone marrow transplants. Due to these historical and clinical associations, CD34 expression is almost ubiquitously related to hematopoietic cells, and it is a common misconception that CD34-positive (CD34(+)) cells in nonhematopoietic samples represent hematopoietic contamination.

Assay Data

Tris-Bis PAGE



Mouse CD34 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.