

Datasheet for ABIN7274168

CD34 Protein (CD34) (AA 35-287) (His tag)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µg
Target:	CD34
Protein Characteristics:	AA 35-287
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD34 protein is labelled with His tag.

Product Details

Purpose:	Mouse CD34 Protein
Sequence:	Thr35-Thr287
Characteristics:	Recombinant Mouse CD34 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Thr35-Thr287.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	CD34
Alternative Name:	CD34 (CD34 Products)

Target Details

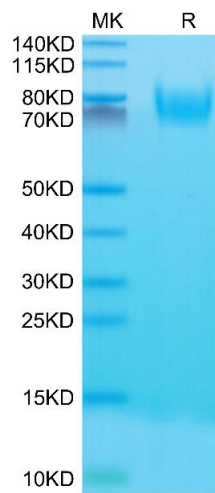
Background:	CD34 is a transmembrane phosphoglycoprotein, first identified on hematopoietic stem and progenitor cells. Clinically, it is associated with the selection and enrichment of hematopoietic stem cells for bone marrow transplants. Due to these historical and clinical associations, CD34 expression is almost ubiquitously related to hematopoietic cells, and it is a common misconception that CD34-positive (CD34 ⁺) cells in nonhematopoietic samples represent hematopoietic contamination.
Molecular Weight:	28.3 kDa. Due to glycosylation, the protein migrates to 68-85 kDa based on Tris-Bis PAGE result.

Application Details

Restrictions:	For Research Use only
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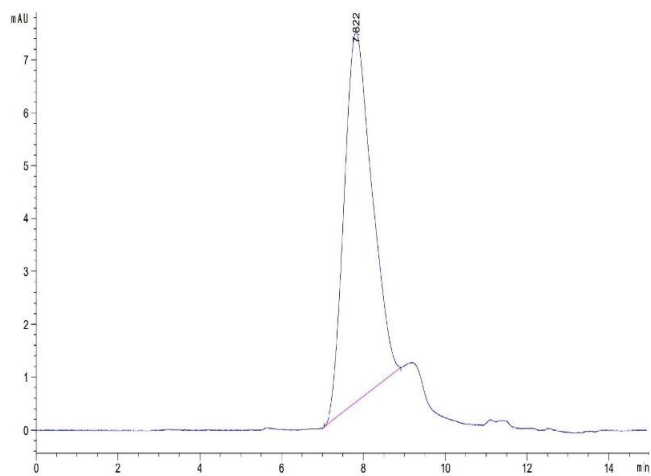
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months 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.
Expiry Date:	12 months



SDS-PAGE

Image 1. Mouse CD34 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Mouse CD34 is greater than 95 % as determined by SEC-HPLC.