

Datasheet for ABIN7274141

CD34 Protein (CD34) (AA 32-290) (His tag)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	CD34
Protein Characteristics:	AA 32-290
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD34 protein is labelled with His tag.

Product Details

Purpose:	Human CD34 Protein
Sequence:	Ser32-Thr290
Characteristics:	Recombinant Human CD34 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Ser32-Thr290.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human CD34, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-CD34 Antibody, hFc Tag with the EC50 of 16.5ng/ml determined by ELISA. See testing image for detail.

Target Details

Target:	CD34
Alternative Name:	CD34 (CD34 Products)
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:	28.6 kDa. Due to glycosylation, the protein migrates to 90-130 kDa based on Tris-Bis PAGE result.

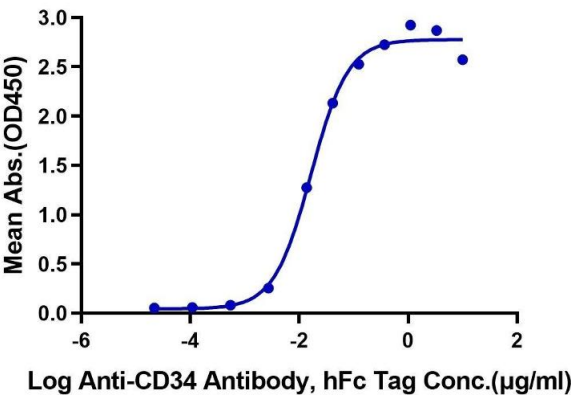
Application Details

Restrictions:	For Research Use only
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Handling

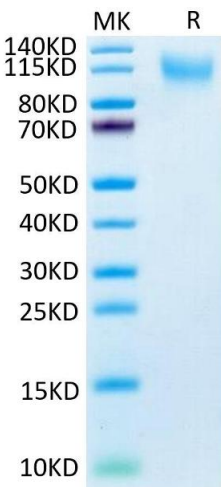
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant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

Human CD34, His Tag ELISA
0.05µg Human CD34, His Tag Per Well



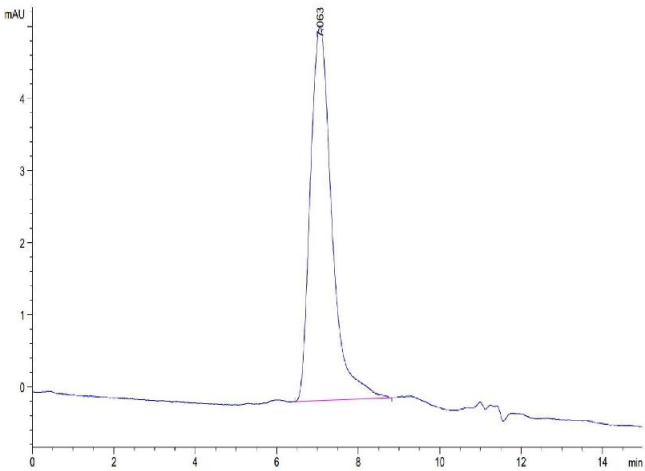
ELISA

Image 1. Immobilized Human CD34, His Tag at 0.5 µg/mL (100 µL/Well) on the plate. Dose response curve for Anti-CD34 Antibody, hFc Tag with the EC50 of 16.5 ng/mL determined by ELISA.



SDS-PAGE

Image 2. Human CD34 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. The purity of Human CD34 is greater than 95 % as determined by SEC-HPLC.