

Human CD34 Protein

Cat. No. CD3-HM134

Description

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|-------------------------|---|
| Source | Recombinant Human CD34 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Ser32-Thr290. |
| Accession | P28906-1 |
| Molecular Weight | The protein has a predicted MW of 28.6 kDa. Due to glycosylation, the protein migrates to 90-130 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 |

Formulation and Storage

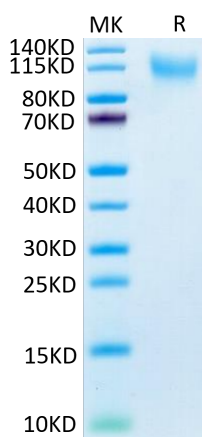
| | |
|-----------------------|---|
| Formulation | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization. |
| Reconstitution | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended.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

Bis-Tris PAGE

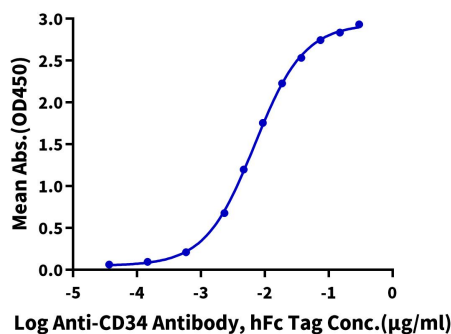


Human CD34 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

ELISA Data

Human CD34, His Tag ELISA

0.1µg Human CD34, His Tag Per Well



Immobilized Human CD34, His Tag at 1µg/ml (100µl/Well) on the plate. Dose response curve for Anti-CD34 Antibody, hFc Tag with the EC50 of 6.9ng/ml determined by ELISA.