

Bioactive

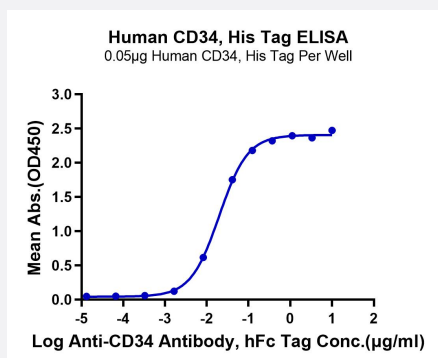
HuPro®

CD34 (Human) Recombinant Protein

Catalog # P9928

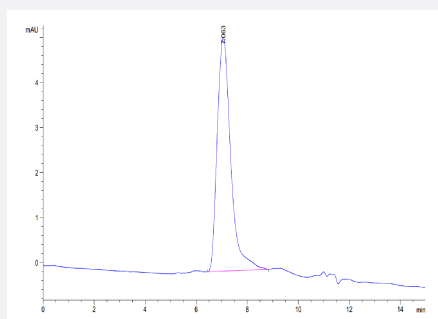
Size 100 ug

Applications



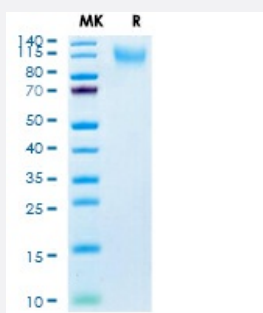
Enzyme-linked Immunoabsorbent Assay

Immobilized Human CD34, His Tag at 0.5 ug/mL (100 uL/Well) on the plate. Dose response curve for Anti-CD34 Antibody, hFc Tag with the EC50 of 19.9 ng/mL determined by ELISA.



SEC-HPLC

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



Tris-Bis PAGE

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

Specification

Product Description	Human CD34 (P28906-1, Ser32-Thr290) partial recombinant protein with His tag at C-Terminus expressed in HEK293 cells.
Sequence	Ser32-Thr290
Host	Human
Theoretical MW (kDa)	28.6
Form	Lyophilized
Preparation Method	Mammalian cell (HEK293) expression system
Purity	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Activity	The EC ₅₀ was 19.9 ng/mL, measured by ELISA at 0.5 ug/mL.
Quality Control Testing	SEC-HPLC and Tris-Bis PAGE SEC-HPLC The purity of Human CD34 is greater than 95% as determined by SEC-HPLC. Tris-Bis PAGE Human CD34 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.
Recommend Usage	Biological Activity ELISA SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from sterile distilled Water is > 100 ug/mL
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of bioactivity analysis

Applications

- Enzyme-linked Immunoabsorbent Assay

Immobilized Human CD34, His Tag at 0.5 ug/mL (100 uL/Well) on the plate. Dose response curve for Anti-CD34 Antibody, hFc Tag with the EC₅₀ of 19.9 ng/mL determined by ELISA.

- Functional Study

- SDS-PAGE

Gene Info — CD34

Entrez GeneID	947
Protein Accession#	P28906-1
Gene Name	CD34
Gene Alias	-
Gene Description	CD34 molecule
Omim ID	142230
Gene Ontology	Hyperlink
Gene Summary	CD34 is a monomeric cell surface antigen with a molecular mass of approximately 110 kD that is selectively expressed on human hematopoietic progenitor cells.[supplied by OMIM]
Other Designations	CD34 antigen OTTHUMP00000034733 OTTHUMP00000034734 hematopoietic progenitor cell antigen CD34

Pathway

- [Cell adhesion molecules \(CAMs\)](#)
- [Hematopoietic cell lineage](#)

Disease

- [Carcinoma](#)
- [Disease Progression](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Hepatitis C](#)
- [Liver Neoplasms](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)

- [Tobacco Use Disorder](#)
- [Viremia](#)