

CD34 Protein, Human (Biotinylated, HEK293, His)

Cat. No.:	HY-P77524
Synonyms:	Hematopoietic progenitor cell antigen CD34; CD34
Species:	Human
Source:	HEK293
Accession:	P28906 (M1-T290)
Gene ID:	947
Molecular Weight:	Approximately 29 kDa.

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μ m filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	CD34 protein is a potential adhesion molecule that is thought to play a crucial role in early hematopoiesis by facilitating the attachment of stem cells to the extracellular matrix of the bone marrow or directly to stromal cells. It is speculated that CD34 may also act as a scaffold for the binding of lineage-specific glycans, enabling stem cells to interact with lectins expressed by stromal cells or other components of the marrow. Additionally, CD34 is known to present carbohydrate ligands to selectins, further contributing to its involvement in cell adhesion processes.
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Caution: Product has not been fully validated for medical applications. For research use only.

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