

## CD34 Protein, Mouse (287a.a, HEK293, His)

Cat. No.:	HY-P74305
Synonyms:	Hematopoietic progenitor cell antigen CD34; CD34; HPCA1
Species:	Mouse
Source:	HEK293
Accession:	Q64314 (M1-T287)
Gene ID:	12490
Molecular Weight:	50-60 kDa

### PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 $\mu$ 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/ $\mu$ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 $\mu$ g/mL in ddH <sub>2</sub> 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 possible adhesion molecule implicated in early hematopoiesis, facilitating the attachment of stem cells to the bone marrow extracellular matrix or directly to stromal cells. It is suggested to function as a scaffold for the attachment of lineage-specific glycans, enabling stem cells to bind to lectins expressed by stromal cells or other marrow components. Additionally, CD34 may play a role in presenting carbohydrate ligands to selectins, contributing to 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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