

CD34 Protein, Rat (HEK293, Fc)

Cat. No.:	HY-P74304
Synonyms:	Hematopoietic progenitor cell antigen CD34; CD34; HPCA1
Species:	Rat
Source:	HEK293
Accession:	B1PLB1 (E37-T291)
Gene ID:	305081
Molecular Weight:	Approximately 112 kDa due to the glycosylation.

PROPERTIES

AA Sequence	<pre> ENSTQGVFPP VPTNESTEEES ITSSIPGSTS HYYLIGQDSN KTTPAISETT VNFATATPGTP SSGGTPHTFS QPQTYPTVTL PTTSDSTSTP EVEHSTWNTS LPSVNVSDYS PNNVSSEMIS TTEPCAHTSS SVPSIIKGLI KCSGIRGVPF TQGICLLESE ASSCEEFKKE RGEELMQILC KKEETEADAG TSVCSLNLAQ SEVRPECLLM VLANSTELSS KLQLMEKHQS DLRKLGIQSF NKQDLGSHQS YSRKT </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
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	<p>CD34 is a transmembrane phosphoglycoprotein present on the surface of human and various animal cells, and it was first described in hematopoietic stem cells as an intercellular adhesion factor. CD34 is used as a cellular marker for hematopoietic stem cell sorting and as an islet endocrine cell marker. CD34 can mediate the attachment of hematopoietic stem cells to bone marrow extracellular matrix or directly to stromal cells. CD34 may also play a more selective role in the chemokine-dependent migration of eosinophils and dendritic cell precursors. CD34 plays an important role in cell adhesion,</p>
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inflammatory cell chemotaxis, cell proliferation and differentiation, and enhancement of inflammatory response^{[1][2][3][4]}.

Caution: Product has not been fully validated for medical applications. For research use only.

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