

CD34, 32-290aa, Human, His tag, E.coli

Cat.NO.: TP01505

3th Edition

Synonyms:Hematopoietic progenitor cell antigen CD34, CD34 molecule

Description:Hematopoietic progenitor cell antigen CD34 is a heavily glycosylated, transmembrane glycoprotein that is expressed on the surface of lymphohematopoietic stem and progenitor cells, small-vessel endothelial cells, embryonic fibroblasts and some cells in fetal and adult nervous tissue. It is likely an adhesion molecule with a role in early hematopoiesis by mediating attachment of stem cells to the bone marrow extracellular matrix or directly to stromal cells. Recombinant human CD34 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 20% glycerol, 1mM DTT

Molecular Weight:29.7 kDa (280aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMSLDNNGTATPELPTQGTFSNVSTNVSYQETTTTPSTLGSTSLHPVSQHGNEATT
NITETTVKFTSTSVITSVYGNTNSSVQSQTSVISTVFTTPANVSTPETTLKPSLSPGNVSDLSTTSTSLATSPTKPYTS
SSPILSDIAEIKCSGIREVKLTQGICLEQNKTSSCAEFKKDRGEGLARVLCGEEQADADAGAQCVCALLAQSEVRP
QCLLLVLANRTEISSKLQLMKKHQSDLKKLGILDFTEQDVASHQSYSQKT

Purity:> 95% by HPLC

Concentration:0.25 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.