

CD34, 32-290aa, Human, His-tag, Baculovirus

Cat.NO.: TP01506

3th Edition

Synonyms:Hematopoietic progenitor cell antigen CD34 isoform b, CD34

Description:CD34, also known as hematopoietic progenitor cell antigen CD34 isoform b, is a member of a family of single-pass transmembrane sialomucin proteins. It is adhesion molecule with a role in early hematopoiesis by mediating the attachment of stem cells to the bone marrow extracellular matrix or directly to stromal cells. This protein could act as a scaffold for the attachment of lineage specific glycans, allowing stem cells to bind to lectins expressed by stromal cells or other marrow components. Recombinant human CD34, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form:Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight:28.6kDa (268aa), 40-57kDa (SDS-PAGE under reducing conditions.)

Sequences:

ADLSLDNNGTATPELPTQGTFSNVSTNVSYQETTTTPSTLGSTSLHPVSQHGNEATTNITETTVKFTSTSVITSVYGNT
NSSVQSQTSVISTVFTTPANVSTPETTLKPSLSPGNVSDLSTTSTSLATSPTKPYTSSSPILSDIKAEIKCSGIREVKLT
QGICLEQNKTSSCAEFKKDRGEGRLARVLCGEEQADADAGAQCVCVLLLAQSEVRPQCLLLVLANRTEISSKLQLMKK
HQSDLKKGILDFTEQDVASHQSYSQKTHHHHHH

Purity:> 95% by HPLC

Concentration:0.25mg/ml (determined by Absorbance at 280nm)

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.