

## 37-1064: Human CD34 Recombinant Protein (Fc Tag)(Discontinued)

**Reactivity :** Human

**Alternative Name :** none

### Description

#### Source : HEK293 Cells

Cluster of Differentiation 34 (CD34) is a member of a family of single-pass transmembrane sialomucin proteins, and may function as a cell-cell adhesion factor. CD34 protein is selectively expressed on hematopoietic progenitor cells and the small vessel endothelium of a variety of tissues. It has been widely used as a stem and progenitor cell marker, and clinical CD34+ stem cell transplantation (CD34+SCT) has been performed for tumor purging. CD34 monoclonal antibodies are widely used to identify and isolate hemopoietic progenitors and to classify acute and chronic leukemias.

### Product Info

**Amount :** Human CD34 Recombinant Protein (Fc Tag)(Discontinued) / 50 µg

**Purification :** > (67.1+28.7) % as determined by SDS-PAGE

**Content :** Formulation Lyophilized from sterile PBS, pH 7.4  
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.

**Storage condition :** Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Amino Acid :** Met1-Thr290

### Application Note

Measured by the ability of the immobilized protein to support the adhesion of the HUVEC human umbilical vein endothelial cell line. When  $4 \times 10^4$  cells/well are added to human CD34 coated plates (0.8 µg/ml, 100 µL/well), approximately >40 % will adhere after one hour at 37 °C.

Endotoxin :< 1.0 EU per µg of the protein as determined by the LAL method

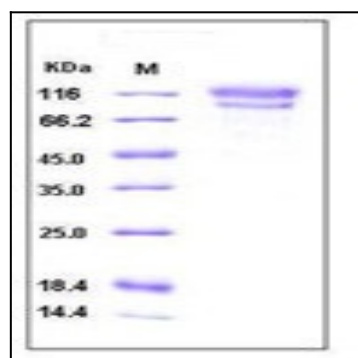


Fig 1: Human CD34 Recombinant Protein (Fc Tag)