



Recombinant Protein Technical Manual

Recombinant Rat CD34 Protein (Fc Tag)

RPES5080

Product Data:

Product SKU: RPES5080

Size: 20µg

Species: Rat

Expression host: HEK293 Cells

Uniprot: B1PLB1

Protein Information:

Molecular Mass: 54.5 kDa

AP Molecular Mass: 112 kDa

Tag: C-Fc

Bio-activity:

Purity: > 80 % as determined by SDS-PAGE

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

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from sterile PBS, pH 7.4

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: CD34

Immunogen Information:

Sequence: Met1-Thr291

Background:

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.