

Product Data:**Product SKU:** RPES0948**Size:** 20µg**Species:** Mouse**Expression host:** HEK293 Cells**Uniprot:** NP_001104529.1**Protein Information:****Molecular Mass:** 28.6 kDa**AP Molecular Mass:** 50-60 kDa**Tag:** C-His**Bio-activity:** Measured by the ability of the immobilized protein to support the adhesion of the HUVEC human umbilical vein endothelial cell line. When 4 x 10E4 cells/well are added to mouse CD34 coated plates (0.8 µg/ml, 100 µl/well), approximately >30 % will adhere af**Purity:** > 98 % 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:** AU040960

Immunogen Information:

Sequence: Met 1-Thr 287

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.