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Datasheet for ABIN7320223 CD34 Protein (CD34) (His tag)

1 Image

Overview

Quantity:	50 µg
Target:	CD34
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CD34 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse CD34 Protein (His Tag)(Active)
Sequence:	Met 1-Thr 287
Characteristics:	A DNA sequence encoding the extracellular domain of mouse CD34 (NP_001104529.1) (Met 1-Thr 287) was expressed, with a polyhistidine tag at the C-terminus.
Purity:	> 98 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	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 after one hour at 37 °C.

Target Details

Target:	CD34
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Target Details

Alternative Name: [CD34 \(CD34 Products\)](#)

Background: 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.

Synonym: AU040960

Molecular Weight: 28.6 kDa

NCBI Accession: [NP_001104529](#)

Application Details

Restrictions: For Research Use only

Handling

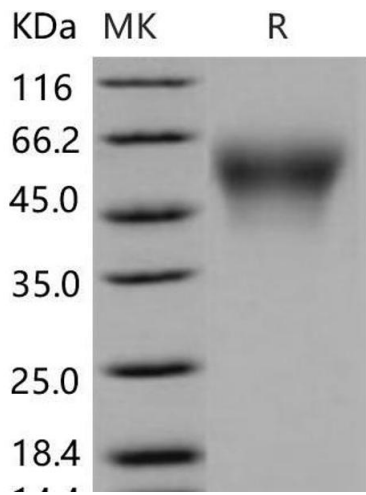
Format: Lyophilized

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

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, 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.



Western Blotting

Image 1.