

# Mouse CD34 Protein

Cat. No. CD3-MM134

## Description

<b>Source</b>	Recombinant Mouse CD34 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Thr35-Thr287.
<b>Accession</b>	Q64314-1
<b>Molecular Weight</b>	The protein has a predicted MW of 28.3 kDa. Due to glycosylation, the protein migrates to 68-85 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per $\mu\text{g}$ by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE

## Formulation and Storage

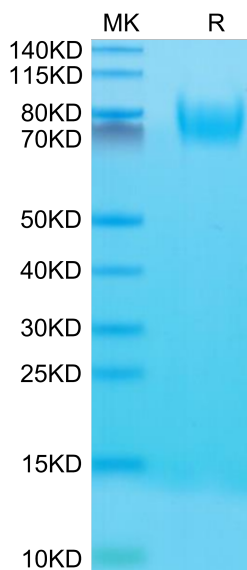
<b>Formulation</b>	Supplied as 0.22 $\mu\text{m}$ filtered solution in PBS (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at $-80^{\circ}\text{C}$ . Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

CD34 is a transmembrane phosphoglycoprotein, first identified on hematopoietic stem and progenitor cells. Clinically, it is associated with the selection and enrichment of hematopoietic stem cells for bone marrow transplants. Due to these historical and clinical associations, CD34 expression is almost ubiquitously related to hematopoietic cells, and it is a common misconception that CD34-positive (CD34<sup>(+)</sup>) cells in nonhematopoietic samples represent hematopoietic contamination.

## Assay Data

### Bis-Tris PAGE



Mouse CD34 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.