

PRODUCT INFORMATION

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| Target | CD34 |
| Synonyms | Hematopoietic progenitor cell antigen CD34;Cd34 |
| Description | Recombinant mouse CD34 protein with C-terminal human Fc tag |
| Delivery | In Stock |
| Uniprot ID | Q64314 |
| Expression Host | HEK293 |
| Tag | C-Human Fc Tag |
| Molecular Characterization | Mouse CD34(Thr35-Thr287) hFc(Glu99-Ala330) |
| Molecular Weight | The protein has a predicted molecular mass of 53.3 kDa after removal of the signal peptide. The apparent molecular mass of mCD34-hFc is approximately 70-100 kDa due to glycosylation. |
| Purity | The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining. |
| Formulation & Reconstitution | Lyophilized from sterile PBS, pH 7.4. Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. |
| Storage&Shipping | Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature. |
| Sterility | Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 µm) prior to use. |
| Background | Possible adhesion molecule with a role in early hematopoiesis by mediating the attachment of stem cells to the bone marrow extracellular matrix or directly to stromal cells. Could act as a scaffold for the attachment of lineage specific glycans, allowing stem cells to bind to lectins expressed by stromal cells or other marrow components. Presents carbohydrate ligands to selectins (By similarity).[UniProtKB/Swiss-Prot Function] |
| Usage | Research use only |
| Conjugate | Unconjugated |



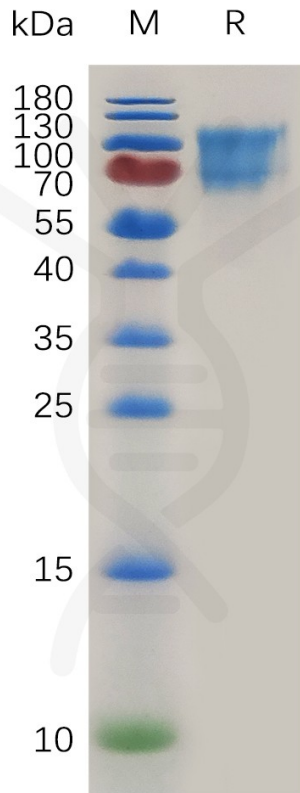


Figure 1. Mouse CD34 Protein, hFc Tag on SDS-PAGE under reducing condition.

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