

CD34 Monoclonal Antibody

catalog number: AN006960L

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

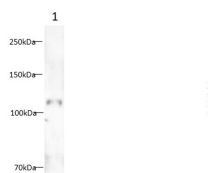
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|--------------|--|
| Reactivity | Human |
| Immunogen | Recombinant Human CD34 protein expressed by Mammalian |
| Host | Mouse |
| Isotype | IgG1 |
| Clone | 581 |
| Purification | Protein A/G Purification |
| Conjugation | Unconjugated |
| Buffer | PBS with 0.05% Proclin300, 1% protective protein and 50% glycerol, pH7.4 |

Applications

Recommended Dilution

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| WB | 1:200-1:500 |
|----|-------------|

Data



Western blot with Anti CD34 Monoclonal antibody at dilution of 1:1000. Lane 1: TF-1 cell lysate.

Observed-MW: 105-120 kDa

Calculated-MW: 41 kDa

Preparation & Storage

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| Storage | Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles. |
| Shipping | The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended. |

Background

The CD34 family of cell surface transmembrane proteins includes the hematopoietic progenitor cell antigen CD34, Podocalyxin, and Endoglycan. This single-pass sialomucin-like transmembrane protein is heavily glycosylated and phosphorylated by Protein kinase C (PKC). CD34 is a 115 kDa glycoprotein found on multipotent precursors, bone marrow stromal cells, embryonic fibroblasts, vascular endothelia, as well as some populations of mesenchymal stem cells, and tumor cell lines. CD34 is involved in the adhesion of stem cells to the bone marrow extracellular matrix or to stromal cells.