



CD34

Mouse monoclonal Antibody

#54033

**Catalog Number:** 54033**Amount:** 100µg/100µl**Swiss-Prot No. :**Q64314**Form of Antibody:** Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol**Storage/Stability:** Store at -20°C/1 year**Immunogen:** Purified recombinant human CD34 protein fragments expressed in E.coli**Purification:** affinity-chromatography**Specificity/Sensitivity:** This antibody detects endogenous levels of CD34 and does not cross-react with related proteins**Reactivity:** Human**Applications:**

Predicted MW: 34kd    WB:1:500-2000    IHC/ICC:1:200-1000

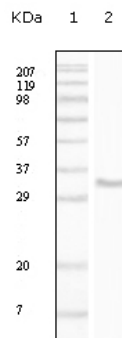


Figure 1: Western blot analysis using CD34 mouse mAb against truncated CD34 recombinant protein.

### Background:

CD34 is a transmembrane glycoprotein with a molecular mass of approximately 110 kD that is selectively expressed on human hematopoietic progenitor cells, endothelial cells and some fibroblasts. It 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. CD34 is highly expressed on hematopoietic progenitors, as well as on endothelial cells. CD34 has been used to measure angiogenesis, which reportedly predicts tumor recurrence.