

bsm-30097M**[Primary Antibody]****human CD34 Mouse mAb****BioSS**
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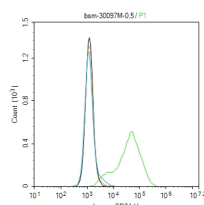
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— DATASHEET —**Host:** Mouse**Isotype:** Mouse IgG1**Clonality:** Monoclonal**CloneNo.:** 4H11**GeneID:** 947**SWISS:** P28906**Target:** human CD34**Purification:** affinity purified by Protein G**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4).

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: The highly glycosylated 75-120 kD antigen CD34 is possibly an adhesion molecule with a putative role in early hematopoiesis by mediating the attachment of stem cells to the bone marrow extracellular matrix or directly to stromal cells. 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 thought to have a role in presenting carbohydrate ligands to selectins. The intracellular chain of the CD34 antigen is a site of phosphorylation by activated protein kinase C, suggesting a putative role in signal transduction. Two isoforms of CD34 have been reported to be generated by alternative splicing. CD34 is highly expressed on hematopoietic progenitors, as well as on endothelial cells, brain, and testis. Staining for CD34 has been used to measure angiogenesis, which reportedly predicts tumor recurrence.

Applications: Flow-Cyt (0.5ug/Test)**Reactivity:** Human**Predicted MW.:** 39 kDa**Subcellular Location:** Cell membrane**— VALIDATION IMAGES —**

Blank control:TF-1. Primary Antibody (green line): Mouse Anti-human CD34 antibody (bsm-30097M) Dilution: 0.5ug/Test; Secondary Antibody (white blue line) : Goat anti-mouse IgG-FITC Dilution: 0.5ug/Test. Isotype control (orange line) : Normal Mouse IgG Protocol

The cells were incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.