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30-1869: Anti-CD34 / Mucosialin Monoclonal Antibody (Clone:4H11[APG])-Biotin Conjugated

Clone Name: Monoclonal 4H11[APG]

Application: ELISA,IHC,FACS,WB

Reactivity: Human
Conjugate: Biotin
Gene: CD34
Gene ID: 947
Uniprot ID: P28906
Alternative Name: CD34
Isotype: Mouse IgG1

Immunogen Information: Permanent human cell line derived from peripheral leucocytes of a patient suffering from

chronic myeloid leukaemia.

Description

CD34 is a highly glycosylated monomeric 111-115 kDa surface protein, which is present on many stem cell populations. It is a well established stem cell marker, though its expression on human hematopoietic stem cells is reversible. CD34 probably serves as a surface receptor that undergoes receptor-mediated endocytosis and regulates adhesion, differentiation and proliferation of hematopoietic stem cells and other progenitors. CD34 expression is likely to represent a specific state of hematopoietic development that may have altered adhering properties with expanding and differentiating capabilities in both in vitro and in vivo conditions.

Product Info

Amount: 0.1 mg

Storage condition : Store at 2-8°C. Do not freeze.

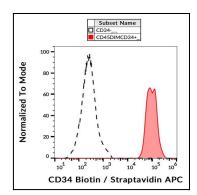


Figure 1: Separation of human CD34 positive CD45dim stem cells (red-filled) from lymphocytes in flow cytometry analysis of human peripheral blood with anti-CD34 biotin / streptavidin-APC.