

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

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	4H11[APG]
<b>Application :</b>	ELISA,IHC,FACS,WB
<b>Reactivity :</b>	Human
<b>Conjugate :</b>	Biotin
<b>Gene :</b>	CD34
<b>Gene ID :</b>	947
<b>Uniprot ID :</b>	P28906
<b>Alternative Name :</b>	CD34
<b>Isotype :</b>	Mouse IgG1
<b>Immunogen Information :</b>	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

<b>Amount :</b>	0.1 mg
<b>Storage condition :</b>	Store at 2-8°C. Do not freeze.

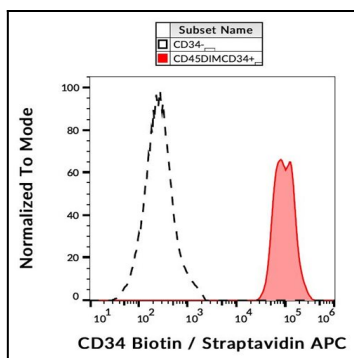


Figure 1: Separation of human CD34 positive CD45dim stem cells (red-filled) from lymphocytes in flow cytometry analysis of human peripheral blood with anti-CD34 biotin / streptavidin-APC.