

## 30-2317: Anti-CD34 Monoclonal Antibody (Clone:581)-PE Conjugated

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	581
<b>Application :</b>	FACS
<b>Reactivity :</b>	Human,Non-Human Primates
<b>Conjugate :</b>	PE
<b>Gene :</b>	CD34
<b>Gene ID :</b>	947
<b>Uniprot ID :</b>	P28906
<b>Alternative Name :</b>	CD34
<b>Isotype :</b>	Mouse IgG1

### 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>	100 tests
<b>Purification :</b>	Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.
<b>Content :</b>	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
<b>Storage condition :</b>	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.

### Application Note

Flow cytometry: The reagent is designed for analysis of human blood cells using 20 µl reagent / 100 µl of whole blood or 10<sup>6</sup> cells in a suspension. The content of a vial (2 ml) is sufficient for 100 tests.

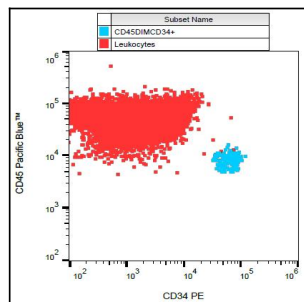


Figure 1: Surface staining of CD34+ cells in human peripheral blood with anti-CD34 (581) PE.