## **w** abeomics

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

Monoclonal
581
FACS
Human,Non-Human Primates
PE
CD34
947
P28906
CD34
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	
Amount :	100 tests
Purification :	Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.
Content :	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage condition :	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  $\mu$ l reagent / 100  $\mu$ l of whole blood or 106 cells in a suspension. The content of a vial (2 ml) is sufficient for 100 tests.

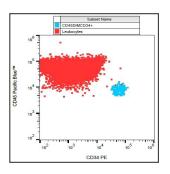


Figure 1: Surface staining of CD34+ cells in human peripheral blood with anti-CD34 (581) PE.

