

30-2034: Anti-CD34 / Mucosialin Monoclonal Antibody (Clone:QBEnd-10)-FITC Conjugated

| | |
|--------------------------------|----------------------------|
| Clonality : | Monoclonal |
| Clone Name : | QBEnd-10 |
| Application : | FACS |
| Reactivity : | Human |
| Conjugate : | FITC |
| Gene : | CD34 |
| Gene ID : | 947 |
| Uniprot ID : | P28906 |
| Alternative Name : | CD34 |
| Isotype : | Mouse IgG1 |
| Immunogen Information : | Human endothelial vesicles |

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 |
| 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 µl reagent / 100 µl of whole blood or 10⁶ cells in a suspension. The content of a vial (2 ml) is sufficient for 100 tests.

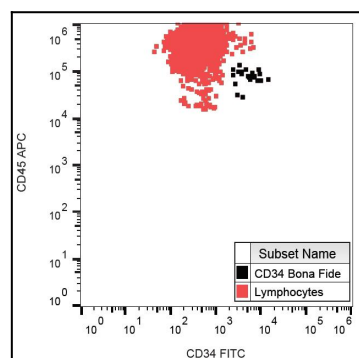


Figure 1: Cell surface staining of CD34 in human peripheral blood with anti-CD34 (QBEnd-10) FITC.