

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

|                                |                            |
|--------------------------------|----------------------------|
| <b>Clonality :</b>             | Monoclonal                 |
| <b>Clone Name :</b>            | QBEnd-10                   |
| <b>Application :</b>           | FACS                       |
| <b>Reactivity :</b>            | Human                      |
| <b>Conjugate :</b>             | FITC                       |
| <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> | 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

|                            |   |
|----------------------------|---|
| <b>Amount :</b>            | 100 tests   |
| <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.

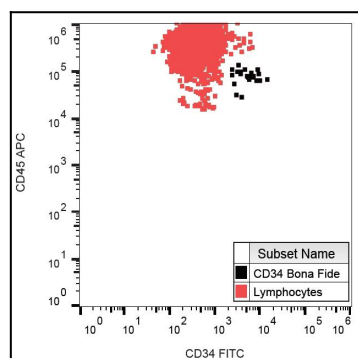


Figure 1: Cell surface staining of CD34 in human peripheral blood with anti-CD34 (QBEnd-10) FITC.