

## Purified Anti-Human CD34 Antibody[QBEnd-10]

catalog number: **AN007770P**

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

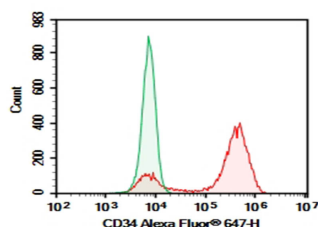
|                     |   |
|---------------------|---|
| <b>Reactivity</b>   | Human                                   |
| <b>Immunogen</b>    | Recombinant Human CD34 protein          |
| <b>Host</b>         | Mouse                                   |
| <b>Isotype</b>      | Mouse IgG1, $\kappa$                    |
| <b>Clone</b>        | QBEnd-10                                |
| <b>Purification</b> | >98%, Protein A/G purified              |
| <b>Buffer</b>       | PBS, pH 7.2. Contains 0.05% Proclin300. |

### Applications

### Recommended Dilution

|            |   |
|------------|---|
| <b>FCM</b> | 2 $\mu$ g/mL ( $1 \times 10^5$ - $5 \times 10^5$ cells) |
|------------|---|

### Data



HEK293T cells transfected with pcDNA3.1 plasmid encoding Human CD34 gene were stained with 0.2  $\mu$ g Purified Anti-Human CD34 Antibody[QBEnd-10] (Right) and 0.2  $\mu$ g Mouse IgG1,  $\kappa$  Isotype Control (Left), followed by Alexa Fluor® 647-conjugated Goat Anti-Mouse IgG Secondary Antibody.

### Preparation & Storage

|                 |  |
|-----------------|--|
| <b>Storage</b>  | Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles. |
| <b>Shipping</b> | Ice bag  |

### Background

CD34, also known as gp105-120, is a type I monomeric sialomucin-like glycoprophosphoprotein with an approximate molecular weight of 105-120 kD. Selectively expressed on the majority of hematopoietic stem/progenitor cells, bone marrow stromal cells, capillary endothelial cells, embryonic fibroblasts, and some nervous tissue, CD34 is a commonly used marker to identify human hematopoietic stem/progenitor cells. According to the differential sensitivity to enzymatic cleavage, four groups of epitopes of CD34 have been described. CD34 mediates cell adhesion and lymphocytes homing through binding to L-selectin and E-selectin ligands.

### For Research Use Only