

## Purified Anti-Human CD34 Antibody[4H11]

catalog number: E-AB-F1324A

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

### Description

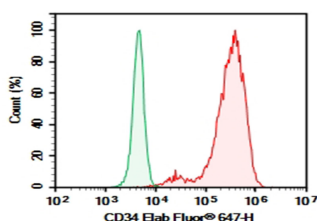
|                   |                                                                                                                                                 |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reactivity</b> | Human                                                                                                                                           |
| <b>Immunogen</b>  | Recombinant Human CD34 protein                                                                                                                  |
| <b>Host</b>       | Mouse                                                                                                                                           |
| <b>Isotype</b>    | Mouse IgG1, $\kappa$                                                                                                                            |
| <b>Clone</b>      | 4H11                                                                                                                                            |
| <b>Buffer</b>     | Phosphate-buffered solution, pH 7.2, containing 0.05% non-protein stabilizer.<br>Dialyze to completely remove the stabilizer prior to labeling. |

### Applications

### Recommended Dilution

|            |                                                                        |
|------------|------------------------------------------------------------------------|
| <b>FCM</b> | 2 $\mu\text{g}/\text{mL}$ ( $0.5 \times 10^6$ - $1 \times 10^6$ cells) |
|------------|------------------------------------------------------------------------|

### Data



KG1 cell were stained with 0.2  $\mu\text{g}$  Purified Anti-Human CD34 Antibody[4H11] (Right) and 0.2  $\mu\text{g}$  Mouse IgG1,  $\kappa$  Isotype Control (Left), followed by FITC-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