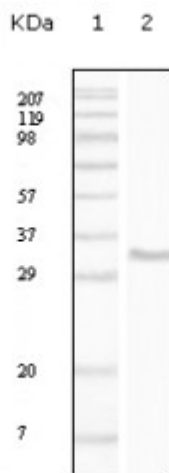


## Anti-CD34 antibody



|                           |                                                                                                                   |
|---------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>        | Mouse monoclonal to CD34.                                                                                         |
| <b>Model</b>              | STJ97922                                                                                                          |
| <b>Host</b>               | Mouse                                                                                                             |
| <b>Reactivity</b>         | Human                                                                                                             |
| <b>Applications</b>       | ELISA, IF, IHC, WB                                                                                                |
| <b>Immunogen</b>          | Purified recombinant fragment of CD34 expressed in E. Coli.                                                       |
| <b>Gene ID</b>            | <a href="#">947</a>                                                                                               |
| <b>Gene Symbol</b>        | <a href="#">CD34</a>                                                                                              |
| <b>Dilution range</b>     | WB 1:500-1:2000IHC 1:200-1:1000IF 1:200-1:1000ELISA 1:10000                                                       |
| <b>Specificity</b>        | CD34 Monoclonal Antibody detects endogenous levels of CD34 protein.                                               |
| <b>Tissue Specificity</b> | Selectively expressed on hematopoietic progenitor cells and the small vessel endothelium of a variety of tissues. |
| <b>Purification</b>       | Affinity purification                                                                                             |
| <b>Clone ID</b>           | 4H5E7 / 9B10D4                                                                                                    |
| <b>Note</b>               | For Research Use Only (RUO).                                                                                      |
| <b>Protein Name</b>       | Hematopoietic progenitor cell antigen CD34 CD antigen CD34                                                        |
| <b>Clonality</b>          | Monoclonal                                                                                                        |
| <b>Conjugation</b>        | Unconjugated                                                                                                      |
| <b>Formulation</b>        | Ascitic fluid containing 0.03% sodium azide.                                                                      |

|                                         |                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage Instruction</b>              | Store at -20°C, and avoid repeat freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                            |
| <b>Database Links</b>                   | <a href="#">HGNC:1662OMIM:142230</a>                                                                                                                                                                                                                                                                                                                                                            |
| <b>Alternative Names</b>                | Hematopoietic progenitor cell antigen CD34 CD antigen CD34                                                                                                                                                                                                                                                                                                                                      |
| <b>Function</b>                         | Possible adhesion molecule with a role in early hematopoiesis by mediating the attachment of stem cells to the bone marrow extracellular matrix or directly to stromal cells. Could act as a scaffold for the attachment of lineage specific glycans, allowing stem cells to bind to lectins expressed by stromal cells or other marrow components. Presents carbohydrate ligands to selectins. |
| <b>Cellular Localization</b>            | Membrane. Single-pass type I membrane protein.                                                                                                                                                                                                                                                                                                                                                  |
| <b>Post-translational Modifications</b> | Highly glycosylated.; Phosphorylated on serine residues by PKC.                                                                                                                                                                                                                                                                                                                                 |

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