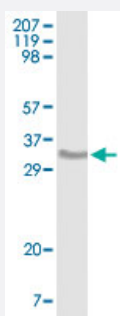


# CD34 monoclonal antibody, clone 4H5E7

Catalog # MAB8296

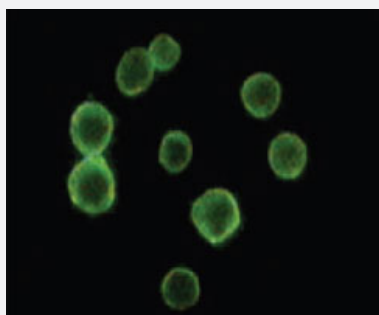
Size 100 uL

## Applications



### Western Blot (Recombinant protein)

Western blot analysis using CD34 monoclonal antibody, clone 4H5E7 (Cat # MAB8296) against truncated CD34 recombinant protein.



### Immunofluorescence

Immunofluorescence analysis of human peripheral blood cells using CD34 monoclonal antibody, clone 4H5E7 (Cat # MAB8296) with FITC-IgG.

## Specification

|                     |                                                                    |
|---------------------|--------------------------------------------------------------------|
| Product Description | Mouse monoclonal antibody raised against partial recombinant CD34. |
| Immunogen           | Recombinant protein corresponding to truncated human CD34.         |
| Host                | Mouse                                                              |
| Reactivity          | Human                                                              |
| Form                | Liquid                                                             |
| Isotype             | IgG                                                                |

|                            |                                                                                                                                                         |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Recommend Usage</b>     | Western Blot (1:200-1:1000)<br>Immunofluorescence (1:25-1:100)<br>ELISA (1:10000)<br>The optimal working dilution should be determined by the end user. |
| <b>Storage Buffer</b>      | In PBS, pH 7.2 (50% glycerol, 0.01% sodium azide)                                                                                                       |
| <b>Storage Instruction</b> | Store at -20°C.<br>Aliquot to avoid repeated freezing and thawing.                                                                                      |
| <b>Note</b>                | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                                  |

## Applications

- Western Blot (Recombinant protein)

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Immunofluorescence analysis of human peripheral blood cells using CD34 monoclonal antibody, clone 4H5E7 (Cat # MAB8296) with FITC-IgG.

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — CD34

|                           |                                                                                                                                                                                 |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Entrez GeneID</b>      | <a href="#">947</a>                                                                                                                                                             |
| <b>Gene Name</b>          | CD34                                                                                                                                                                            |
| <b>Gene Alias</b>         | -                                                                                                                                                                               |
| <b>Gene Description</b>   | CD34 molecule                                                                                                                                                                   |
| <b>Omim ID</b>            | <a href="#">142230</a>                                                                                                                                                          |
| <b>Gene Ontology</b>      | <a href="#">Hyperlink</a>                                                                                                                                                       |
| <b>Gene Summary</b>       | CD34 is a monomeric cell surface antigen with a molecular mass of approximately 110 kD that is selectively expressed on human hematopoietic progenitor cells.[supplied by OMIM] |
| <b>Other Designations</b> | CD34 antigen OTTHUMP00000034733 OTTHUMP00000034734 hematopoietic progenitor cell antigen CD34                                                                                   |

## Publication Reference

- [Hemodynamic regulation of CD34+ cell localization and differentiation in experimental aneurysms.](#)

Sho E, Sho M, Nanjo H, Kawamura K, Masuda H, Dalman RL.

Arteriosclerosis, Thrombosis, and Vascular Biology 2004 Oct; 24(10):1916.

Application: IHC, Flow Cyt, Mouse, Mouse aorta

- [Characterization of murine CD34, a marker for hematopoietic progenitor and stem cells.](#)

Krause DS, Ito T, Fackler MJ, Smith OM, Collector MI, Sharkis SJ, May WS.

Blood 1994 Aug; 84(3):691.

Application: Flow Cyt, Mouse, NIH/3T3, M1, PA6, ES, 32D Cl3, DA1 cells

- [Structure of the gene encoding CD34, a human hematopoietic stem cell antigen.](#)

Satterthwaite AB, Burn TC, Le Beau MM, Tenen DG.

Genomics 1992 Apr; 12(4):788.

## Pathway

- [Cell adhesion molecules \(CAMs\)](#)
- [Hematopoietic cell lineage](#)

## Disease

- [Carcinoma](#)
- [Disease Progression](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Hepatitis C](#)
- [Liver Neoplasms](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)

- [Tobacco Use Disorder](#)
- [Viremia](#)