

Cd34

Rat Anti-Mouse CD34 (Clone MEC14.7) mAb

Catalog No. MON1159 **Quantity:** 1 ml

Alternate Names: Hematopoietic progenitor cell antigen CD34

Description: MON 1159 recognizes mouse CD34, a single-pass type I membrane glycoprophosphoprotein present on small vessel endothelial cells and hematopoietic progenitor cells. The apparent molecular mass of CD34 is heterogeneous, depending on the glycosylation state in different cell types. In cultured endothelioma cell lysate, CD34 has a molecular weight of ~100 kDa, whereas in lung lysates it is ~80 kDa. 2 Isoforms of CD34 exist, both are expressed on the cell surface. CD34 is an adhesion molecule performing a role in early hematopoiesis by mediating the attachment of stem cells to the bone marrow extracellular matrix or directly to stromal cells. CD34 acts 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. CD34 presents carbohydrate ligands to selectins.

Concentration: 0.1 mg/ml

Specificity: CD34

Host: Rat

Isotype: IgG2a

Formulation: PBS containing 0.1% BSA. and 0.02% sodium azide

Applications: FC, IF, IHC, WB

Application Notes: Typical starting dilution is 1:50

Storage & Stability: Store undiluted antibody at 2-8 °C until expiration date.

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Cell Sciences[®]
65 Parker Street
Unit 11
Newburyport, MA 01950

Toll Free: 888-769-1246
Phone: 978-572-1070
Fax: 978-992-0298

E-mail: info@cellsciences.com
Website: www.cellsciences.com