Biotinylated Anti-human CD34 Antibody (QBEnd/10, Human IgG1 Fc Silent Lambda) | PA007756.h1Fs-b

Catalog No.: PA007756.h1Fs-b | **Product Name:** Biotinylated Recombinant Anti-human CD34 Monoclonal Antibody (Clone: QBEnd/10), Human IgG1 Fc Silent Lambda | **Biotin-Conjugated / Recombinant Monoclonal Antibody**

Recombinant anti-human CD34 monoclonal antibody (Clone QBEnd/10), specifically designed for precise flow cytometric enumeration and immunophenotyping of human CD34+ hematopoietic stem and progenitor cells. Variable regions are derived from the classic QBEnd/10 clone and produced in mammalian cell culture to ensure superior lot-to-lot reproducibility.

PRODUCT SPECIFICATIONS

Catalog No.	PA007756.h1Fs-b
Product Name	Biotinylated Recombinant Anti-human CD34 Monoclonal Antibody (Clone: QBEnd/10), Human IgG1 Fc Silent Lambda
Supplier / Brand	Syd Labs, Inc. / Syd Labs
Clone	QBEnd/10
Isotype	Human IgG1 Fc Silent Lambda
Source / Host	The site-directed biotinylated anti-human CD34 monoclonal antibody (clone: QBEnd/10) was produced in mammalian cells.
Specificity/Sensitivity	The site-directed biotinylated recombinant QBEnd/10 antibody specifically binds to human CD34.
Applications	Flow cytometry (FC) with various dye conjugation through streptavidin; conjugation to streptavidin agarose beads or streptavidin magnetic beads.
Form Of Antibody	0.2 μM filtered solution, pH 7.4, no stabilizers or preservatives.
Conjugate	Biotin-conjugated.
Purity	>95% by SDS-PAGE under reducing conditions.
Shipping	The QBEnd/10 antibody is shipped with ice pack. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 1 month from date of receipt, 2 to 8°C as supplied.
Note	Recombinant mouse IgG1 isotype controls and Recombinant human IgG1 isotype controls are available. Condition of sample preparation and optimal sample dilution should be determined experimentally by the investigator.

BACKGROUND & APPLICATION INFORMATION

Recombinant human IgG1 monoclonal antibody with site-directed biotinylation through the Avi tag at the C-terminus of the antibody heavy chain.

CD34 is a well-established cell surface transmembrane glycoprotein that serves as a hallmark marker for human hematopoietic stem and progenitor cells, endothelial cells, and certain vascular neoplasms. The QBEnd/10 clone specifically recognizes the human CD34 antigen and is extensively utilized in research and clinical diagnostics involving flow cytometry, cell sorting, and immunohistochemical staining.

This biotinylated version enables flexible downstream detection using various streptavidin-fluorophore conjugates, streptavidin-coated magnetic beads, or solid-phase assays with high affinity and minimal background interference due to the engineered silent Fc domain.

Order & Contact Information

Phone: 1-617-401-8149

Fax: 1-617-606-5019

Email: message@sydlabs.com

Offline Order: With formal purchase order (PO) or credit card