

Monoclonal Antibody to CD34 Class II - Biotin

Alternate names:	Hematopoietic progenitor cell antigen CD34, Hematopoietic progenitor cell marker
Catalog No.:	SM1095B
Quantity:	100 Tests
Concentration:	20 µg/ml
Background:	CD34 is a 110kD glycoprotein expressed by haematopoietic stem cells and endothelial cells.
Uniprot ID:	P28906
NCBI:	NP_001020280.1
GeneID:	947
Host / Isotype:	Mouse / IgG1
Clone:	QBEND/10
Immunogen:	Human endothelial vesicles. Spleen cells from NZB mice were fused with cells of the NSO mouse myeloma line.
Format:	State: Lyophilized purified IgG Buffer System: PBS, pH7.4 containing 0.09% Sodium Azide and 1% Bovine Serum Albumin Label: Biotin Reconstitution: Restore with 1 ml distilled water
Applications:	Flow Cytometry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises the CD34 cell surface antigen. QBEND-10 binds to the Class II epitope of CD34. Species: Human, Cynomolgus monkey, Rhesus Monkey. Other species not tested.
Storage:	Prior to reconstitution store at 2-8°C. Following reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General References:	1. Fina, L. et al. (1990) Expression of the CD34 Gene in Vascular Endothelial Cells. <i>Blood</i> 75: 2417-2426. 2. Sopper, S. et al. (1997) Lymphocyte subsets and expression of differentiation markers in blood and lymphoid organs of Rhesus monkey. <i>Cytometry</i> 29: 351-362. 3. Yoshino, N. et al. (2000) Upgrading of flow cytometric analysis for absolute counts, cytokines and other antigenic molecules of Cynomolgus monkeys (<i>Macaca fascicularis</i>) by

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using anti-human cross-reactive antibodies. Exp. Anim. 49: 97-110

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