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Monoclonal Antibody to CD34 Class II - FITC

Alternate names:	Hematopoietic progenitor cell antigen CD34, Hematopoietic progenitor cell marker
Catalog No.:	SM1095F
Quantity:	100 Tests
Concentration:	50 µg/ml
Background:	CD34 is a 110kD cell surface glycoprotein expressed by haematopoietic stem cells, and by capillary 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 immunised NZB mice were fused with cells of the mouse NSO myeloma cell line.
Format:	**State:** Liquid purified IgG fraction. **Buffer System:** PBS, pH 7.4 containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer. **Label:** FITC – Fluorescein Isothiocyanate Isomer 1
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. This antibody has been shown to recognises a class 2 epitope of CD34. **Species:** Human, Cynomolgus monkey, Rhesus Monkey. It Does not react with Bovine, Sheep, Rat and Dog Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. This product is photosensitive and should be protected from light. Shelf life: one year from despatch.
General References:	1. Fina, L. et al. (1990) Expression of the CD34 gene in vascular endothelial cells. Blood 95: 2417-2426. 2. Sopper, S. et al. (1997) Lympocyte subsets and expression of differentiation markers in blood and lymphoid organs of Rhesus monkey. Cytometry 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 (*Macaca fascicularis*) by

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

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