

Product datasheet for **SM1095R**

CD34 Class II Mouse Monoclonal Antibody [Clone ID: QBEND/10]

Product data:

Product Type:	Primary Antibodies
Clone Name:	QBEND/10
Applications:	FC
Recommended Dilution:	Flow Cytometry.
Reactivity:	Human, Monkey
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human endothelial vesicles. Spleen cells from immunised NZB mice fused with cells of the NSO mouse myeloma cell line.
Specificity:	This antibody recognises the CD34 antigen. QBEND/10 specifically recognises a class II epitope.
Formulation:	PBS containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer. Label: PE State: Lyophilized purified IgG fraction. Label: R. Phycoerythrin (RPE)
Reconstitution Method:	Restore with distilled water
Purification:	Affinity chromatography on Protein A
Conjugation:	PE
Storage:	Prior to and following reconstitution store the antibody undiluted at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD34 molecule
Database Link:	Entrez Gene 947 Human P28906



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Background: CD34 is a single chain transmembrane glycoprotein of 105 - 120kD. Expressed on haemopoietic cells, including bone marrow and blood. It is expressed on the majority of cells in acute lymphoid leukaemia (ALL) as well as cells in acute myelogenous leukaemia (AML). It is also found on capillary endothelial cells. There are three classes of CD34 epitopes defined by differential sensitivity to enzymatic cleavage with glycoprotease from *Pasteurella haemolytica* and with neuraminidase.

Synonyms: Hematopoietic progenitor cell marker