



Anti-CD34 monoclonal antibody, clone QBEND/10 [R-PE] (CABT-49510MH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview

This product recognises the CD34 antigen - 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. QBEND/10 specifically recognises a class II epitope. Flow Cytometry Use 10ul of the suggested working dilution to label 1 x 10⁶ cells in 100ul.

Specificity	CD34
Immunogen	Human endothelial cell membrane vesicles
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human, Cynomolgus monkey, Rhesus monkey
Clone	QBEND/10
Conjugate	PE
Applications	FC
Format	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilised
Size	100 tests
Preservative	0.09% Sodium Azide

Storage

Prior to reconstitution store at +4°C. Following reconstitution store at +4°C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	CD34 CD34 molecule [Homo sapiens (human)]
Official Symbol	CD34
Synonyms	CD34; CD34 molecule; hematopoietic progenitor cell antigen CD34; CD34 antigen;
Entrez Gene ID	947
Protein Refseq	NP_001020280
UniProt ID	P28906
Chromosome Location	1q32
Pathway	Adaptive Immune System; C-MYB transcription factor network; Cell adhesion molecules (CAMs); Hematopoietic cell lineage; Immune System; Immunoregulatory interactions between a Lymphoid and a non-Lymphoid cell;
Function	carbohydrate binding; sulfate binding; transcription factor binding;