

Mouse CD34 Antibody | anti-CD34 antibody

Anti-Hu CD34 APC

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA129355	Mouse	Non-human primates, Human	Flow Cytometry, Functional Assay

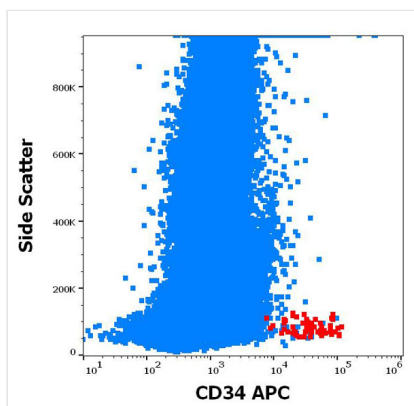
PRODUCT SYNONYMS

CD34; Anti-Hu CD34 APC; CD34 molecule; anti-CD34 antibody

PRODUCT SPECIFICATIONS

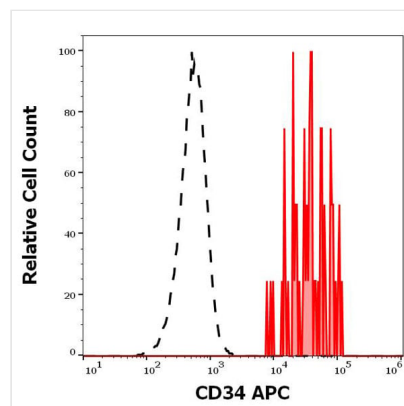
Host	Mouse
Reactivity	Non-human primates, Human
Isotype	Mouse IgG1
Clone Number	QBEnd-10
Specificity	The antibody QBEnd-10 reacts with an extracellular class II epitope on CD34, a 110-115 kDa monomeric transmembrane phosphoglycoprotein expressed on hematopoietic progenitors cells and on the most pluripotent stem cells; it is gradually lost on progenitor cells. This antibody has been also used as an endothelial marker.
Purity/Purification	Purified antibody is conjugated with activated allophycocyanin (APC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.
Form/Format	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Applicable Applications for anti-CD34 antibody	FCM/FACS (Flow Cytometry)
Negative Species	Dog, Sheep, Rat, Cow
Immunogen	Human endothelial vesicles
Conjugation	APC
Preparation and Storage	Store at 2-8 degree C. Protect from prolonged exposure to light. Do not freeze.

IMAGES



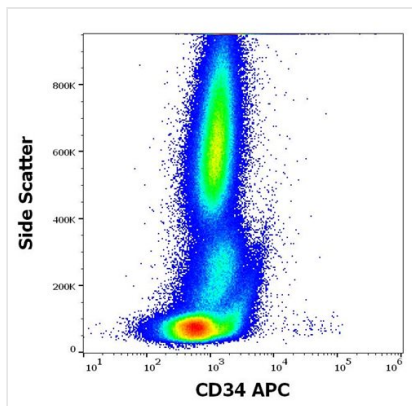
FCM/FACS (Flow Cytometry)

Flow cytometry surface staining pattern of human peripheral whole blood showing CD34 positive stem cells (red) stained using anti-human CD34 (QBEnd-10) APC antibody (10ul reagent/100ul of peripheral whole blood).



FCM/FACS (Flow Cytometry)

Separation of human CD34 positive stem cells (red-filled) from lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD34 (QBEnd-10) APC antibody (10ul reagent/100ul of peripheral whole blood).



FCM/FACS (Flow Cytometry)

Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD34 (QBEnd-10) APC antibody (10ul reagent/100ul of peripheral whole blood).

ADDITIONAL INFORMATION

Related Product Information for anti-CD34 antibody

CD34 is a highly glycosylated monomeric 111-115 kDa surface protein, which is present on many stem cell populations. It is a well established stem cell marker, though its expression on human hematopoietic stem cells is reversible. CD34 probably serves as a surface receptor that undergoes receptor-mediated endocytosis and regulates adhesion, differentiation and proliferation of hematopoietic stem cells and other progenitors. CD34 expression is likely to represent a specific state of hematopoietic development that may have altered adhering properties with expanding and differentiating capabilities in both in vitro and in vivo conditions.

References

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NCBI AND UNIPROT INFORMATION

NCBI GI #	264769
NCBI GeneID	947
UniProt Accession #	P28906; Q15970; Q15971; Q5JTA3; Q5JTA4; Q9UJB1; A8K664
Molecular Weight	40,716 Da
NCBI Official Full Name	CD34
NCBI Official Synonym Full Names	CD34 molecule
NCBI Official Symbol	CD34
NCBI Protein Information	hematopoietic progenitor cell antigen CD34; CD34 antigen
UniProt Protein Name	Hematopoietic progenitor cell antigen CD34
UniProt Gene Name	CD34
UniProt Entry Name	CD34_HUMAN

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Online datasheet: <https://stage.aaabiotech.com/mouse-human-primate-antibody/cd34/129355>