

## Product Datasheet

### Anti-Hu CD34 Purified Azide Free (orb44481)

<b>Description</b>	Mouse Monoclonal to CD34.
<b>Reactivity</b>	Human, Primate
<b>Conjugation</b>	Unconjugated
<b>Tested Applications</b>	FA, FC, IHC-Fr, IHC-P, IP, WB
<b>Immunogen</b>	Human endothelial vesicles
<b>Target</b>	CD34
<b>Preservatives</b>	Phosphate buffered saline (PBS), pH 7.4
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Note</b>	For research use only
<b>Application notes</b>	Functional application: The antibody QBEnd-10 induces homotypic adhesion of leukemic cell line. Flow cytometry: Recommended dilution: 5 µg/ml. Immunohistochemistry (paraffin sections): Recommended dilution: 2-8 µg/ml. Western blotting: Recommended dilution: 1-2 µg/ml, positive control: TF-1 cells.
<b>Isotype</b>	Mouse IgG1
<b>Clonality</b>	Monoclonal
<b>Clone Number</b>	QBEnd-10
<b>Purity</b>	Purified by protein-A affinity chromatography.
<b>Uniprot ID</b>	<b>P28906</b>

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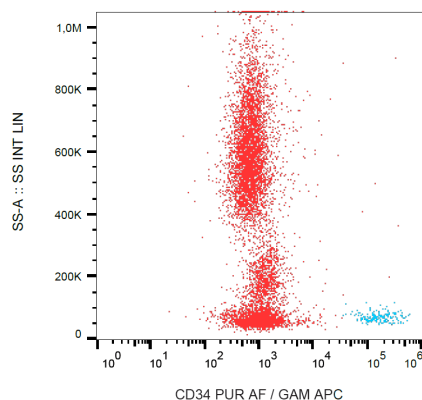
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Cambridge, CB5 8LA, United Kingdom  
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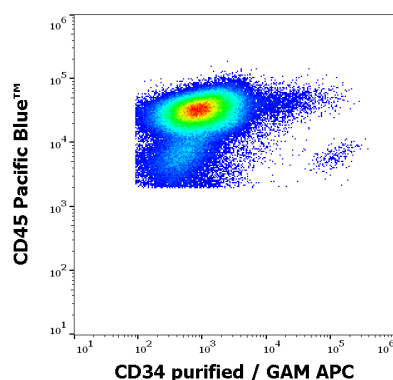
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**Entrez****947****Expiration Date**

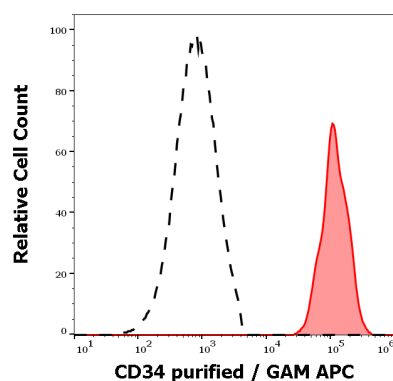
12 months from date of receipt.



Flow cytometry analysis (surface staining) of CD34 in human peripheral blood with anti-CD34 (QEnd-10) azide free.



Flow cytometry multicolor surface staining of human peripheral blood stained using anti-human CD34 (QEnd-10) purified antibody (concentration in sample 0.6 µg/ml, GAM APC, red-filled) and anti-human CD45 (MEM-28) Pacific Blue™ antibody (10 µl reagent / 100 µl of peripheral whole blood).



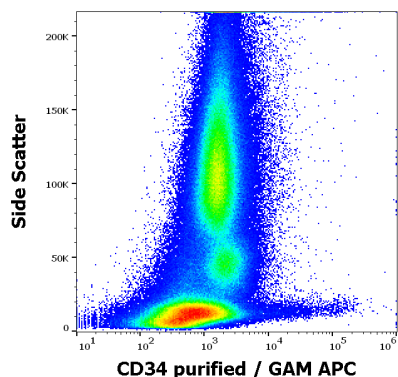
Separation of human CD45dim CD34 positive stem cells (red-filled) from human lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of peripheral whole blood stained using anti-human CD34 (QEnd-10) purified antibody (concentration in sample 0.6 µg/ml, GAM APC).

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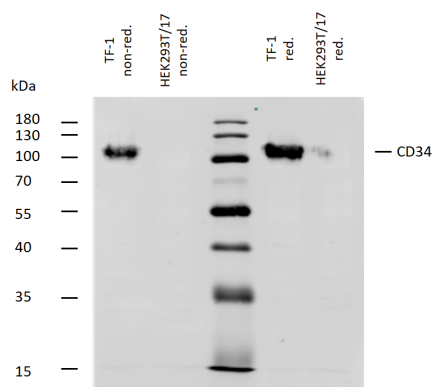
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Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD34 (QBEnd-10) purified antibody (concentration in sample 0.6 µg/ml, GAM APC).



Western blotting analysis of human CD34 using mouse monoclonal antibody QBEnd-10 on lysates of TF-1 cell line and HEK293T/17 cell line (CD34 non-expressing cell line; negative control) under non-reducing and reducing conditions. Nitrocellulose membrane was probed with 2 µg/ml of mouse anti-CD34 monoclonal antibody QBEnd-10 followed by IRDye800-conjugated anti-mouse IgG1 secondary antibody. A specific band was detected for CD34 protein at approximately 110 kDa.

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