

Anti-CD34 antibody [4H11(APG)] ab762

6 References [画像数 3](#)

製品の概要

製品名	Anti-CD34 antibody [4H11(APG)]
製品の詳細	Mouse monoclonal [4H11(APG)] to CD34
由来種	Mouse
特異性	This antibody reacts with Class III epitope on CD34 antigen.
アプリケーション	適用あり: Flow Cyt, IHC-P, WB
種交差性	交差種: Human
免疫原	Tissue, cells or virus corresponding to Human CD34. Permanent human cell line derived from peripheral leucocytes of a patient suffering from chronic myeloid leukaemia
ポジティブ・コントロール	IHC-P: Human normal placenta. WB: TF-1 Flow Cytometry: human peripheral whole blood.
特記事項	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	<p>pH: 7.40</p> <p>Preservative: 0.097% Sodium azide</p> <p>Constituent: PBS</p>
精製度	Protein A purified
特記事項 (精製)	Purified from TCS. Purity >95% by SDS-PAGE.
ポリ/モノ	モノクローナル
クローン名	4H11(APG)
アイソタイプ	IgG1

アプリケーション

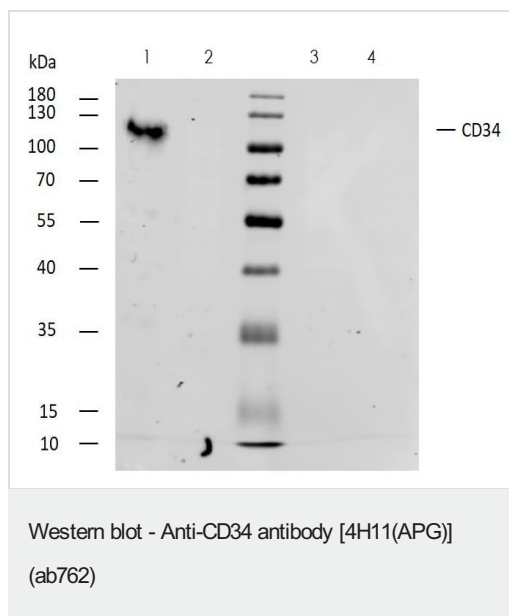
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アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
Flow Cyt		Use a concentration of 2 µg/ml.
IHC-P		Use a concentration of 10 µg/ml.
WB		Use a concentration of 1 - 2 µg/ml. Detects a band of approximately 110 kDa.

ターゲット情報

機能	Possible adhesion molecule with a role in early hematopoiesis by mediating the attachment of stem cells to the bone marrow extracellular matrix or directly to stromal cells. Could act as a scaffold for the attachment of lineage specific glycans, allowing stem cells to bind to lectins expressed by stromal cells or other marrow components. Presents carbohydrate ligands to selectins.
組織特異性	Selectively expressed on hematopoietic progenitor cells and the small vessel endothelium of a variety of tissues.
配列類似性	Belongs to the CD34 family.
発生段階	On early hematopoietic progenitor cells.
翻訳後修飾	Highly glycosylated. Phosphorylated on serine residues by PKC.
細胞内局在	Membrane.

画像



All lanes : Anti-CD34 antibody [4H11(APG)] (ab762) at 2 µg/ml

Lane 1 : TF-1 cell line non-reducing

Lane 2 : HEK293T/17 cell line (CD34 non-expressing cell line; negative control) non reducing

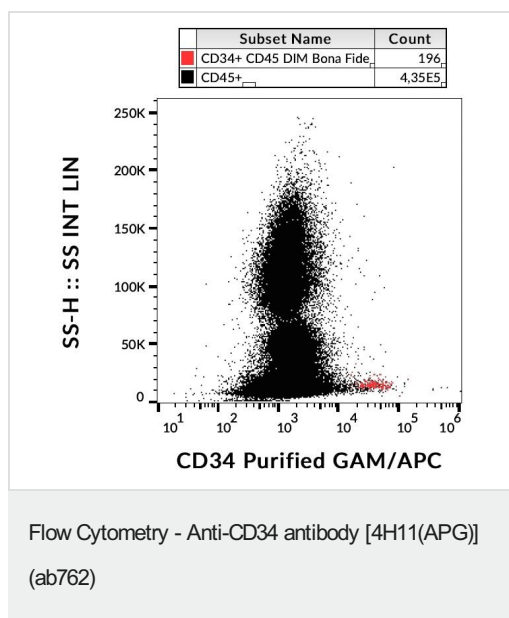
Lane 3 : TF-1 cell line reducing

Lane 4 : HEK293T/17 cell line (CD34 non-expressing cell line; negative control) Reducing

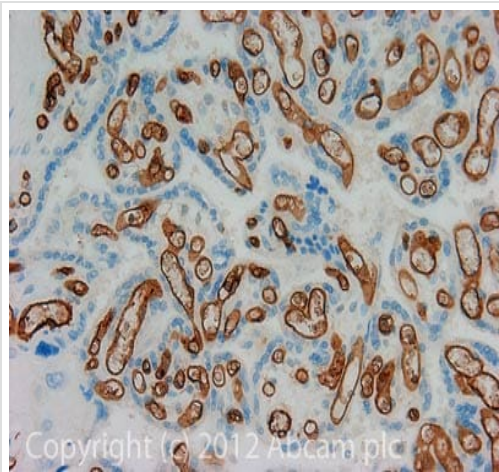
Secondary

All lanes : IRDye800-conjugated anti-mouse IgG1

A specific band was detected for CD34 protein at approximately 110 kDa.



Flow cytometric surface staining pattern showing CD34 positive stem cells in red stained with 2µg/ml ab762 in human peripheral whole blood.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD34 antibody
[4H11(APG)] (ab762)

IHC image of CD34 staining in Human normal placenta formalin fixed paraffin embedded tissue section, performed on a Leica BondTM system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab762, 5µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

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