

Anti-Endothelium antibody [EN4] ab8087

6 References

製品の概要

製品名	Anti-Endothelium antibody [EN4]
製品の詳細	Mouse monoclonal [EN4] to Endothelium
由来種	Mouse
特異性	This antibody stains all human blood vessels including brain microvessels. Both large and small vessels are equally reactive. The EN4 antigen is preserved in endothelial cells in culture unlike the PAL-E antigen (ab8086) which is lost. It stains strongly murine fibroblasts transfected with the human CD31 gene. On surface-iodinated Jurkat T cells it recognizes the 130 kD CD31 antigen. EN4 also binds to guinea-pig and cat endothelium, but not to rabbit, bovine, sheep, dog, rat or mice endothelial cells. No other structures in the skin, heart, kidney, tonsils or spleen are stained with this antibody.
アプリケーション	適用あり: IHC-Fr, IHC-P, WB
種交差性	交差種: Guinea pig, Cat, Human 非交差種: Mouse, Sheep, Rabbit, Cow, Dog
特記事項	<p>The antibody is useful for immunohistological staining of endothelia. Lymphatic endothelium is stained (unlike the PAL-E antibody). Kaposi's sarcoma and other vascular tumors of endothelial cell origin are also stained.</p> <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 long term.
バッファー	pH: 7.3 Preservative: 0.02% Sodium azide

精製度	Constituent: 0.1% BSA
一次抗体備考	Tissue culture supernatant The antibody is useful for immunohistological staining of endothelia. Lymphatic endothelium is stained (unlike the PAL-E antibody). Kaposi's sarcoma and other vascular tumors of endothelial cell origin are also stained.
ポリ/モノ	モノクローナル
クローン名	EN4
アイソタイプ	IgG1

アプリケーション

The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab8087の使用に適用されず**
 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
IHC-Fr		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. PubMed: 21645391

ターゲット情報

関連性 The endothelium is located at the interface between the blood and the vessel wall. The cells are in close contact and form a slick layer that prevents blood cell interaction with the vessel wall as blood moves through the vessel lumen. The endothelium consists of simple squamous epithelium that lines the lumen of all blood vessels. It plays a critical role in the mechanics of blood flow, the regulation of coagulation, leukocyte adhesion, and vascular smooth muscle cell growth, and also serves as a barrier to the transvascular diffusion of liquids and solutes. For years the endothelium was thought of as an inert single layer of cells that passively allow the passage of water and other small molecules across the vessel wall. However, this dynamic tissue performs many other active functions, such as the secretion and modification of vasoactive substances and the contraction and relaxation of vascular smooth muscle.

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