

Anti-Integrin alpha 4/CD49D antibody [44H6] ab220

KO 評価済

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製品の概要

製品名	Anti-Integrin alpha 4/CD49D antibody [44H6]
製品の詳細	Mouse monoclonal [44H6] to Integrin alpha 4/CD49D
由来種	Mouse
特異性	Recognises the Integrin alpha 4/CD49D subunit, which associates with either Integrin beta 1 (to form VLA 4) or beta 7. The alpha 4 integrin is a 150 kDa molecule, which may be cleaved to 80 kDa and 70 kDa fragments.
アプリケーション	適用あり: Flow Cyt, ICC/IF 適用なし: IHC-P
種交差性	交差種: Human
免疫原	Tissue, cells or virus corresponding to Integrin alpha 4/CD49D. HOON pre-B leukaemia cell line.
ポジティブ・コントロール	Flow Cyt: Human whole peripheral blood cells. IHC-Fr: Human tonsil tissue. ICC/IF: Wild-type HAP-1 cells.
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. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
バッファー	Preservative: 0.1% Sodium azide Constituent: PBS
精製度	Protein A purified
特記事項 (精製)	Purified IgG prepared by ion exchange chromatography from tissue culture supernatant.

ポリ/モノ	モノクローナル
クローン名	44H6
ミエローマ	Sp2/0-Ag14
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ab220の使用に適用されます**

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。

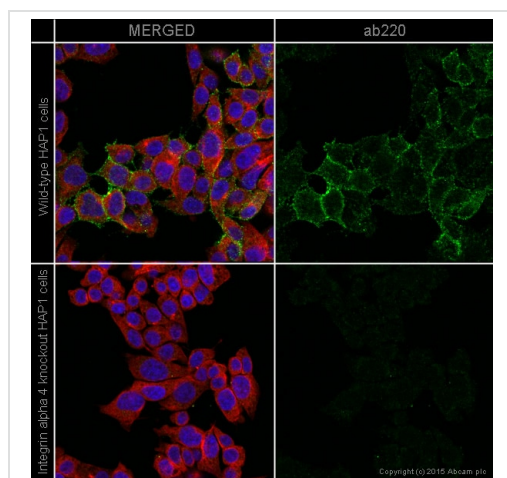
アプリケーション	Abreviews	特記事項
Flow Cyt		1/40. Use 10 µl of the working dilution to label 100 µl of human whole peripheral blood.
ICC/IF		Use a concentration of 5 µg/ml.

追加情報 Is unsuitable for IHC-P.

ターゲット情報

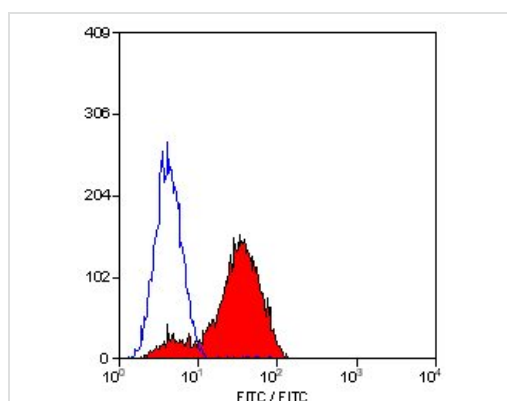
機能	Integrins alpha-4/beta-1 (VLA-4) and alpha-4/beta-7 are receptors for fibronectin. They recognize one or more domains within the alternatively spliced CS-1 and CS-5 regions of fibronectin. They are also receptors for VCAM1. Integrin alpha-4/beta-1 recognizes the sequence Q-I-D-S in VCAM1. Integrin alpha-4/beta-7 is also a receptor for MADCAM1. It recognizes the sequence L-D-T in MADCAM1. On activated endothelial cells integrin VLA-4 triggers homotypic aggregation for most VLA-4-positive leukocyte cell lines. It may also participate in cytolytic T-cell interactions with target cells.
配列類似性	Belongs to the integrin alpha chain family. Contains 7 FG-GAP repeats.
ドメイン	The SG1 motif is involved in binding to chondroitin sulfate glycosaminoglycan and cell adhesion.
翻訳後修飾	Phosphorylation on Ser-1027 inhibits PXN binding.
細胞内局在	Membrane.

画像



Immunocytochemistry/ Immunofluorescence - Anti-Integrin alpha 4/CD49D antibody [44H6] (ab220)

ab220 staining Integrin alpha 4/CD49D in wild-type HAP1 cells (top panel) and Integrin alpha 4/CD49D knockout HAP1 cells (bottom panel). The cells were fixed with 4% formaldehyde (10min), permeabilized with 0.1% Triton X-100 for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween for 1h. The cells were then incubated with ab220 at 5µg/ml concentration and **ab220272** at 1/250 dilution (shown in pseudo colour red) overnight at +4°C, followed by a further incubation at room temperature for 1h with a goat secondary antibody to Mouse IgG (Alexa Fluor® 488) (**ab150117**) at 2 µg/ml (shown in green). Nuclear DNA was labelled in blue with DAPI.



Flow Cytometry - Anti-Integrin alpha 4/CD49D antibody [44H6] (ab220)

Staining of human peripheral blood lymphocytes with ab220.

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