

Product datasheet

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

敲除 验证

★★★★★ 1 Abreviews 2 References 2 图像

概述

产品名称	Anti-Integrin alpha 4/CD49D 抗体[44H6]
描述	小鼠单克隆抗体[44H6] to Integrin alpha 4/CD49D
宿主	Mouse
特异性	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.
经测试应用	适用于: Flow Cyt, ICC/IF 不适用于: IHC-P
种属反应性	与反应: Human
免疫原	Tissue, cells or virus corresponding to Integrin alpha 4/CD49D. HOON pre-B leukaemia cell line.
阳性对照	Flow Cyt: Human whole peripheral blood cells. IHC-Fr: Human tonsil tissue. ICC/IF: Wild-type HAP-1 cells.
常规说明	<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>

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	Preservative: 0.1% Sodium azide Constituent: PBS
纯度	Protein A purified
纯化说明	Purified IgG prepared by ion exchange chromatography from tissue culture supernatant.

克隆	单克隆
克隆编号	44H6
骨髓瘤	Sp2/0-Ag14
同种型	IgG1

应用

The Abpromise guarantee [Abpromise™](#) 承诺保证使用ab220于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
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.

应用说明 Is unsuitable for IHC-P.

靶标

功能 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-ID-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.

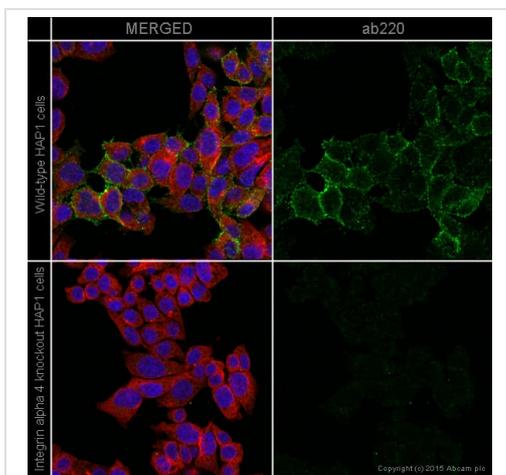
序列相似性 Belongs to the integrin alpha chain family.
Contains 7 FG-GAP repeats.

结构域 The SG1 motif is involved in binding to chondroitin sulfate glycosaminoglycan and cell adhesion.

翻译后修饰 Phosphorylation on Ser-1027 inhibits PXN binding.

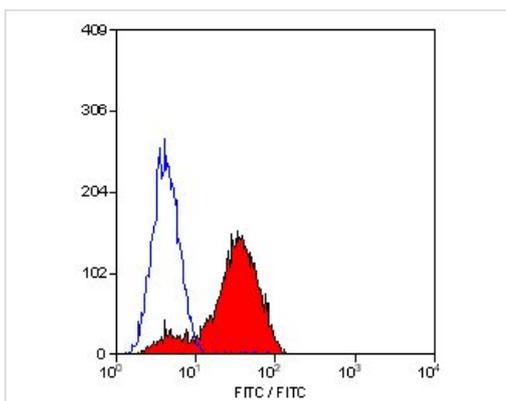
细胞定位 Membrane.

图片



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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