

Anti-Integrin alpha 4/CD49D antibody [HP2/1] ab22858

敲除 验证

6 References **1 图像**

概述

产品名称	Anti-Integrin alpha 4/CD49D抗体[HP2/1]
描述	小鼠单克隆抗体[HP2/1] to Integrin alpha 4/CD49D
宿主	Mouse
特异性	This antibody recognises the 80kD alpha chain of VLA-4. Reacts with monocytes, T cells, B cells, thymocytes and Langerhans cells.
经测试应用	适用于: ICC/IF
种属反应性	与反应: Human
免疫原	Tissue, cells or virus corresponding to Human Integrin alpha 4/CD49D. JM leukaemia line.
阳性对照	ICC/IF: wildtype HAP-1 cells.
常规说明	<p>Can be used in basic studies of VLA-4 mediated adhesion and its interaction with the VCAM-1 structure. HP2/1 inhibits cell binding to soluble VCAM-1.</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>

性能

形式	Liquid
存放说明	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.
存储溶液	<p>pH: 7.40</p> <p>Preservative: 0.09% Sodium azide</p> <p>Constituent: PBS</p>
纯度	Protein G purified
Primary antibody说明	Can be used in basic studies of VLA-4 mediated adhesion and its interaction with the VCAM-1

structure. HP2/1 inhibits cell binding to soluble VCAM-1.

克隆	单克隆
克隆编号	HP2/1
骨髓瘤	x63-Ag8.653
同种型	IgG1

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab22858于以下的经测试应用

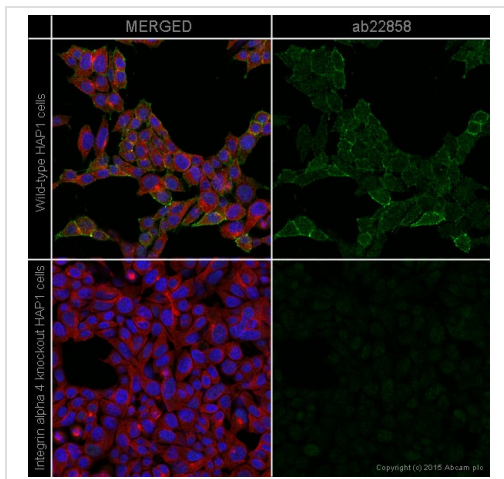
“应用说明”部分下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ICC/IF		Use a concentration of 5 µg/ml.

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-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.
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



ab22858 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 ab22858 at 5µg/ml concentration and **ab202272** 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.

Immunocytochemistry/ Immunofluorescence - Anti-Integrin alpha 4/CD49D antibody [HP2/1] (ab22858)

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