


Anti-CD81 antibody [1D6] ab23505

敲除验证

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概述	
产品名称	Anti-CD81抗体[1D6]
描述	小鼠单克隆抗体[1D6] to CD81
宿主	Mouse
特异性	ab23505 recognises human CD81, a 26kD cell surface antigen also known as TAPA-1, and a member of the tetraspanin family.
经测试应用	适用于: Flow Cyt 不适用于: WB
种属反应性	与反应: Human 预测可用于: Sheep, Goat, Chimpanzee 
免疫原	Tissue, cells or virus corresponding to Human CD81. Aggregated OCI-LY8 cells (Human).
阳性对照	Flow Cyt: HAP1-WT cells.
常规说明	<p>This antibody induces homotypic adhesion and has powerful anti proliferative effects.</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&amp;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 long term.
存储溶液	pH: 7.40 Preservative: 0.09% Sodium azide Constituent: PBS

纯度	Protein G purified
Primary antibody说明	This antibody induces homotypic adhesion and has powerful anti proliferative effects.
克隆	单克隆
克隆编号	1D6
骨髓瘤	P3x63-Ag8.653
同种型	IgG1

应用

The Abpromise guarantee
Abpromise™承诺保证使用ab23505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		1/5 - 1/10. <b>ab170190</b> - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

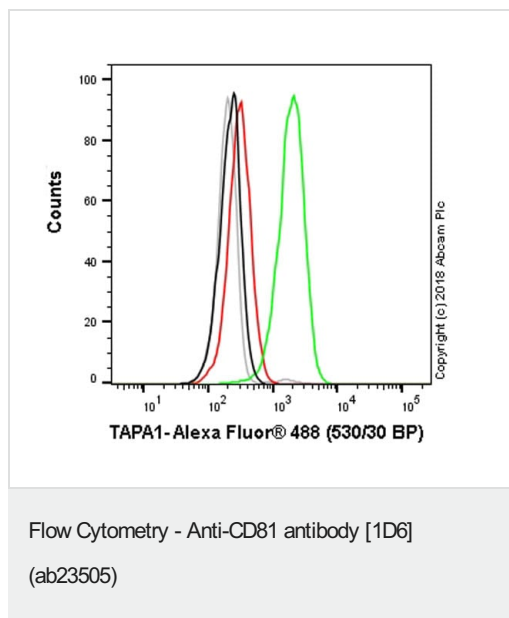
应用说明

Is unsuitable for WB.

靶标

功能	May play an important role in the regulation of lymphoma cell growth. Interacts with a 16-kDa Leu-13 protein to form a complex possibly involved in signal transduction. May acts a the viral receptor for HCV.
组织特异性	Hematolymphoid, neuroectodermal and mesenchymal tumor cell lines.
疾病相关	Defects in CD81 are the cause of immunodeficiency common variable type 6 (CVID6) [MIM:613496]; also called antibody deficiency due to CD81 defect. CVID6 is a primary immunodeficiency characterized by antibody deficiency, hypogammaglobulinemia, recurrent bacterial infections and an inability to mount an antibody response to antigen. The defect results from a failure of B-cell differentiation and impaired secretion of immunoglobulins; the numbers of circulating B cells is usually in the normal range, but can be low.
序列相似性	Belongs to the tetraspanin (TM4SF) family.
翻译后修饰	Not glycosylated.
细胞定位	Membrane.

图片



Overlay histogram showing HAP1 wildtype (green line) and HAP1-CD81 knockout cells (red line) stained with ab23505. The cells were fixed with 4% formaldehyde (10 min) and then permeabilized with 0.1% PBS-Triton X-100 for 15 min. The cells were then incubated in 1x PBS / 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (ab23505, 0.1 µg/ml) for 30 min at 22°C. The secondary antibody used was Alexa Fluor® 488 goat anti-mouse IgG (H&L) presorbed ([ab150117](#)) at 1/2000 dilution for 30 min at 22°C.

A mouse IgG1 isotype control antibody ([ab170190](#)) was used at the same concentration and conditions as the primary antibody (HAP1 wildtype - black line, HAP1-CD81 knockout - grey line). Unlabelled sample was also used as a control (this line is not shown for the purpose of simplicity).

Acquisition of >5,000 events were collected using a 50 mW Blue laser (488nm) and 530/30 bandpass filter.

This antibody can also be used in HAP1 cells fixed with 80% methanol (5 min), permeabilized with 0.1% PBS-Triton X-100 for 15 min under the same conditions.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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