


### Anti-CD81 antibody [1D6] ab23505

KO 評価済

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#### 製品の概要

製品名	Anti-CD81 antibody [1D6]
製品の詳細	Mouse monoclonal [1D6] to CD81
由来種	Mouse
特異性	ab23505 recognises human CD81, a 26kD cell surface antigen also known as TAPA-1, and a member of the tetraspanin family.
アプリケーション	<b>適用あり:</b> Flow Cyt <b>適用なし:</b> WB
種交差性	<b>交差種:</b> Human <b>交差が予測される動物種:</b> Sheep, Goat, Chimpanzee 
免疫原	Tissue, cells or virus corresponding to Human CD81. Aggregated OCHLY8 cells (Human).
ポジティブ・コントロール	Flow Cyt: HAP1-WT cells.
特記事項	

This antibody induces homotypic adhesion and has powerful anti proliferative effects.

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.

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

#### 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: 7.40 Preservative: 0.09% Sodium azide Constituent: PBS

精製度	Protein G purified
一次抗体 備考	This antibody induces homotypic adhesion and has powerful anti proliferative effects.
ポリ/モノ	モノクローナル
クローン名	1D6
ミエローマ	P3x63-Ag8.653
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ab23505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。

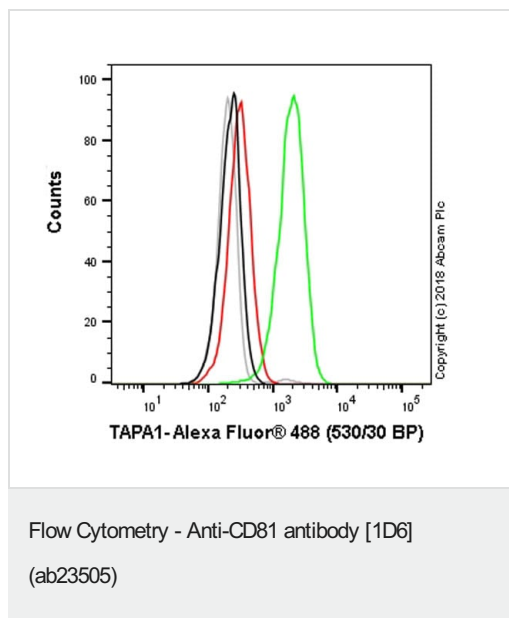
アプリケーション	Abreviews	特記事項
Flow Cyt		1/5 - 1/10. <b>ab170190</b> - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

追加情報      Is unsuitable for WB.

## ターゲット情報

機能	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.
組織特異性	Hematolymphoid, neuroectodermal and mesenchymal tumor cell lines.
関連疾患	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.
配列類似性	Belongs to the tetraspanin (TM4SF) family.
翻訳後修飾	Not glycosylated.
細胞内局在	Membrane.

## 画像



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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