

# Anti-CD3D antibody [EP4426] - Low endotoxin, Azide free ab215040

リコンビナント **RabMAb**

画像数 6

### 製品の概要

|              |   |
|--------------|---|
| 製品名          | Anti-CD3D antibody [EP4426] - Low endotoxin, Azide free   |
| 製品の詳細        | Rabbit monoclonal [EP4426] to CD3D - Low endotoxin, Azide free  |
| 由来種          | Rabbit  |
| アプリケーション     | <b>適用あり:</b> Flow Cyt, ICC/IF, WB, IP, IHC-P  |
| 種交差性         | <b>交差種:</b> Human   |
| 免疫原          | Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.   |
| ポジティブ・コントロール | WB: Jurkat cell lysate. Human thymus tissue lysate. IP: Jurkat whole cell lysate.   |
| 特記事項         | <p>ab215040 is the carrier-free version of <a href="#">ab109531</a>.</p> <p>Our <b>carrier-free</b> antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our <b>conjugation kits</b> for antibody conjugates that are ready-to-use in as little as 20 minutes with &lt;1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p> <p>Our <b>Low endotoxin, azide-free formats</b> have low endotoxin level (<math>\leq 1</math> EU/ml, determined by the LAL assay) and are free from azide, to achieve consistent experimental results in functional assays.</p> |

Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

## 製品の特性

|          |   |
|----------|---|
| 製品の状態    | Liquid  |
| 保存方法     | Shipped at 4°C. Store at +4°C. Do Not Freeze. |
| バッファー    | pH: 7.20<br>Constituent: 100% PBS             |
| キャリア・フリー | はい  |
| 精製度      | Protein A purified                            |
| ポリ/モノ    | モノクローナル                                       |
| クローン名    | EP4426  |
| アイソタイプ   | IgG   |

## 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ab215040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 |           | Use at an assay dependent concentration.  |
| ICC/IF   |           | Use at an assay dependent concentration.  |
| WB       |           | Use at an assay dependent concentration. Predicted molecular weight: 19 kDa.  |
| IP       |           | Use at an assay dependent concentration.  |
| IHC-P    |           | Use at an assay dependent concentration. Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol. |

## ターゲット情報

|      |  |
|------|--|
| 機能   | The CD3 complex mediates signal transduction.  |
| 関連疾患 | Defects in CD3D are a cause of severe combined immunodeficiency autosomal recessive T-cell-negative/B-cell-positive/NK-cell-positive (T(-)/B(+)/NK(+)) SCID [MIM:608971]. A form of severe combined immunodeficiency (SCID), a genetically and clinically heterogeneous group of rare congenital disorders characterized by impairment of both humoral and cell-mediated immunity, leukopenia, and low or absent antibody levels. Patients present in infancy recurrent, persistent infections by opportunistic organisms. The common characteristic of all types of SCID is absence of T-cell-mediated cellular immunity due to a defect in T-cell development. |

配列類似性

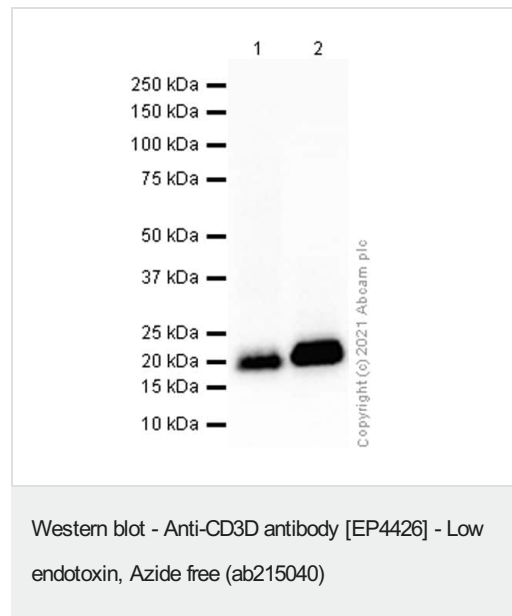
Contains 1 ITAM domain.

細胞内局在

Membrane.

製品の状態

## 画像



**All lanes :** Anti-CD3D antibody [EP4426] ([ab109531](#)) at 1/1000 dilution (Purified)

**Lane 1 :** Jurkat (Human T cell leukemia T lymphocyte) whole cell lysate

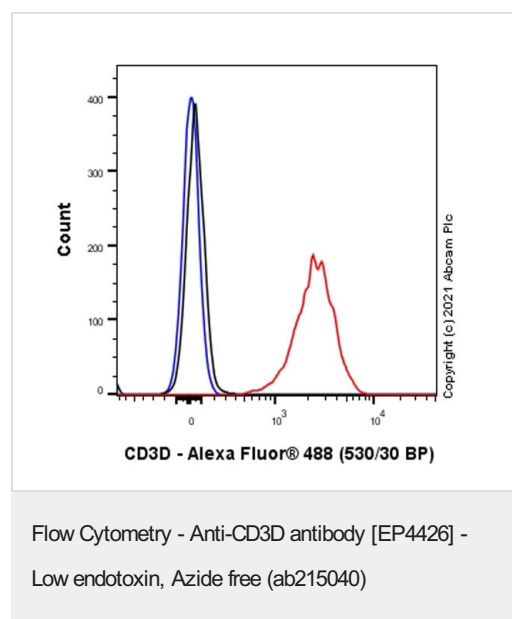
**Lane 2 :** HuT-78 (Human Sezary syndrome cutaneous T lymphocyte) whole cell lysate

### Secondary

**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

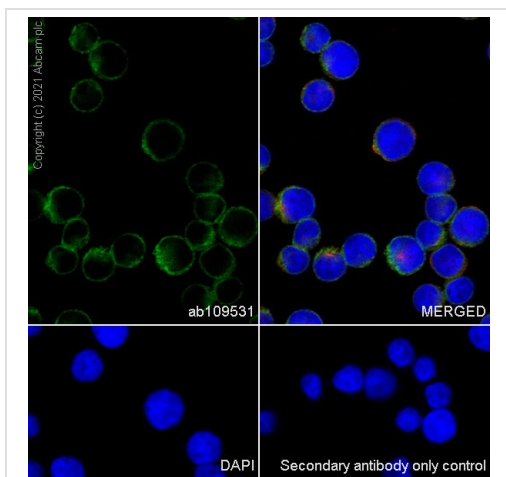
**Predicted band size:** 19 kDa

This data was developed using [ab109531](#), the same antibody clone in a different buffer formulation.



Flow Cytometry analysis of Jurkat (Human T cell leukemia T lymphocyte) cells labelling CD3D with Purified [ab109531](#) at 1:20 dilution (5 µg/ml) (Red). Cells were fixed with 4% Paraformaldehyde and permeabilised with 90% Methanol. A Goat anti rabbit IgG (Alexa Fluor® 488, [ab150081](#)) secondary antibody was used at 1:2000. Isotype control - Rabbit monoclonal IgG (Black). Unlabelled control - Cell without incubation with primary antibody and secondary antibody (Blue).

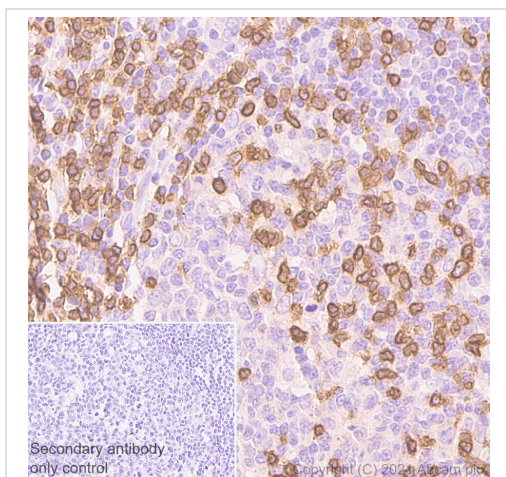
This data was developed using [ab109531](#), the same antibody clone in a different buffer formulation.



Immunocytochemistry/ Immunofluorescence - Anti-CD3D antibody [EP4426] - Low endotoxin, Azide free (ab215040)

Immunocytochemistry analysis of Jurkat (Human T cell leukemia T lymphocyte) cells labeling CD3D with Purified [ab109531](#) at 1:50 dilution (2.6 µg/ml). Cells were fixed in 100% Methanol and permeabilized with 0.1% tritonX-100. Cells were counterstained with Ab195889 Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1:200 (2.5 µg/ml). Goat anti rabbit IgG (Alexa Fluor® 488, [ab150077](#)) was used as the secondary antibody at 1:1000 (2 µg/ml) dilution. DAPI (blue) was used as nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.

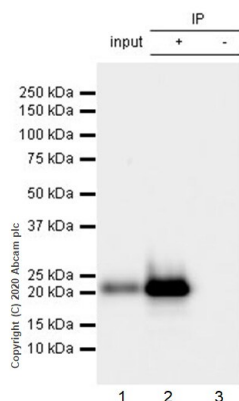
This data was developed using [ab109531](#), the same antibody clone in a different buffer formulation.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD3D antibody [EP4426] - Low endotoxin, Azide free (ab215040)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human tonsil tissue sections labeling CD3D with Purified [ab109531](#) at 1:100 dilution (1.3 µg/ml). Heat mediated antigen retrieval was performed using Heat mediated antigen retrieval using Bond™ Epitope Retrieval Solution 1 (pH 6.0) . Tissue was counterstained with Hematoxylin. Rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)) secondary antibody was used at 1:0 dilution. PBS instead of the primary antibody was used as the negative control. M3

This data was developed using [ab109531](#), the same antibody clone in a different buffer formulation.



Immunoprecipitation - Anti-CD3D antibody [EP4426]  
- Low endotoxin, Azide free (ab215040)

Purified **ab109531** at 1/50 dilution (2µg) immunoprecipitating CD3D in Jurkat whole cell lysate.

Lane 1 (input): Jurkat (Human T cell leukemia T lymphocyte) whole cell lysate 10µg

Lane 2 (+): **ab109531** + Jurkat whole cell lysate.

Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of **ab109531** in Jurkat whole cell lysate.

VeriBlot for IP Detection Reagent (HRP) (**ab131366**) (1/1000 dilution) was used for Western blotting.

Blocking Buffer and concentration: 5% NFDm/TBST.

Diluting buffer and concentration: 5% NFDm/TBST.

Observed band size: 23 kDa

This data was developed using **ab109531**, the same antibody clone in a different buffer formulation.

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-CD3D antibody [EP4426] - Low endotoxin,  
Azide free (ab215040)

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

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