

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

重组 RabMAb

6 图像

概述

| | |
|-------|--|
| 产品名称 | Anti-CD3D 抗体[EP4426] - Low endotoxin, Azide free |
| 描述 | 兔单克隆抗体[EP4426] to CD3D - Low endotoxin, Azide free |
| 宿主 | Rabbit |
| 经测试应用 | 适用于: Flow Cyt, ICC/IF, WB, IP, IHC-P |
| 种属反应性 | 与反应: Human |
| 免疫原 | Synthetic peptide. This information is proprietary to Abcam and/or its suppliers. |
| 阳性对照 | WB: Jurkat cell lysate. Human thymus tissue lysate. IP: Jurkat whole cell lysate. |
| 常规说明 | <p>ab215040 is the carrier-free version of ab109531.</p> <p>Our carrier-free 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 conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <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">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Our Low endotoxin, azide-free formats have low endotoxin level (≤ 1 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.

性能

| | |
|------|---|
| 形式 | Liquid |
| 存放说明 | Shipped at 4°C. Store at +4°C. Do Not Freeze. |
| 存储溶液 | pH: 7.20 Constituent: 100% PBS |
| 无载体 | 是 |
| 纯度 | Protein A purified |
| 克隆 | 单克隆 |
| 克隆编号 | EP4426 |
| 同种型 | IgG |

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab215040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 | | 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. |

靶标

| | |
|------|--|
| 功能 | The CD3 complex mediates signal transduction. |
| 疾病相关 | 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. |

序列相似性

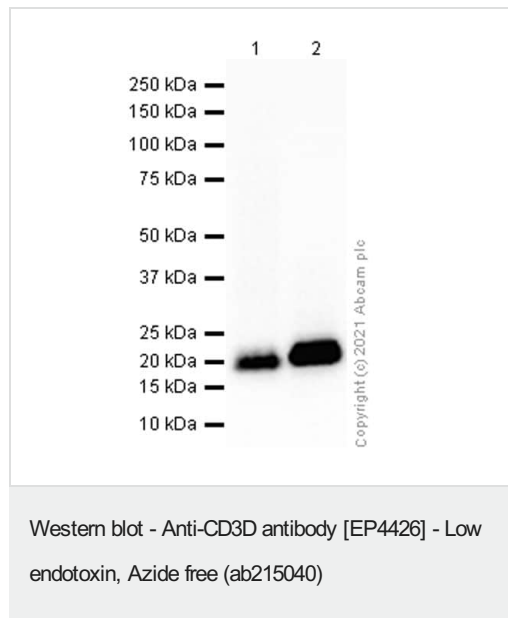
Contains 1 ITAM domain.

细胞定位

Membrane.

形式

图片



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

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

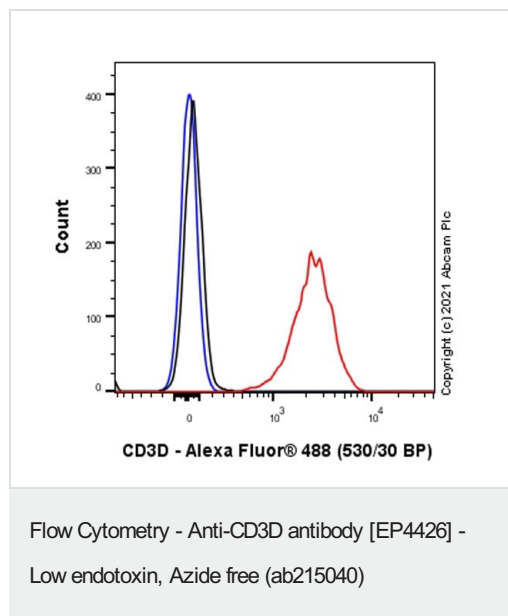
Lane 2 : HuT-78 (Human Sezary syndrome cutaneous T lymphocyte) whole cell lysate

Secondary

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

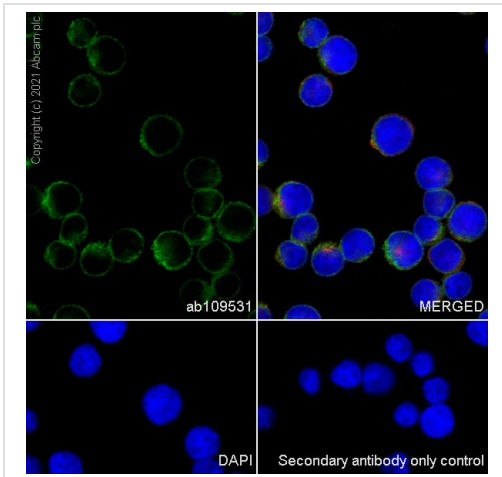
Predicted band size: 19 kDa

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 (5µg/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).

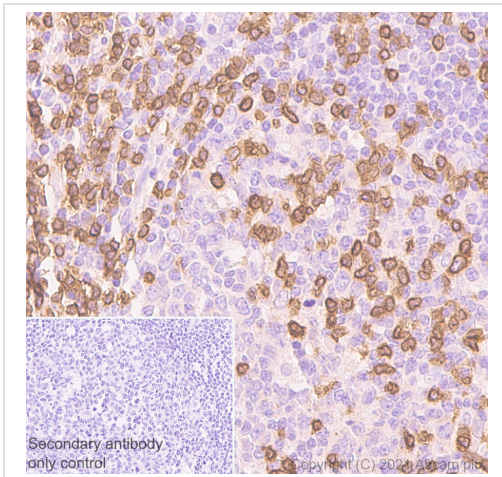
This data was developed using [ab109531](#), the same antibody clone in a different buffer formulation.



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.

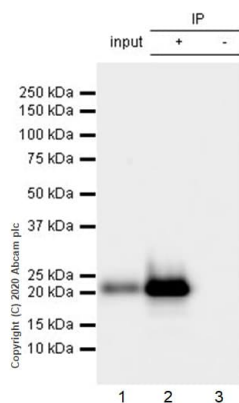
This data was developed using **ab109531**, the same antibody clone in a different buffer formulation.



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
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