

Anti-CD21 antibody [EP3093] ab75985

重组 RabMAb

★★★★★ **6 Abreviews** **31 References** **5 图像**

概述

产品名称	Anti-CD21抗体[EP3093]
描述	兔单克隆抗体[EP3093] to CD21
宿主	Rabbit
经测试应用	适用于: ICC/IF, WB, IP, IHC-P
种属反应性	与反应: Human
免疫原	Synthetic peptide within Human CD21 aa 1000 to the C-terminus (C terminal). The exact sequence is proprietary.
阳性对照	IP: Daudi cell lysate.
常规说明	<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>Rat: We have preliminary internal testing data to indicate this antibody may not react with this species. Please contact us for more information.</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. Avoid freeze / thaw cycle.
存储溶液	<p>pH: 7.20</p> <p>Preservative: 0.05% Sodium azide</p> <p>Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant</p>
纯度	Protein A purified

克隆	单克隆
克隆编号	EP3093
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab75985于以下的经测试应用

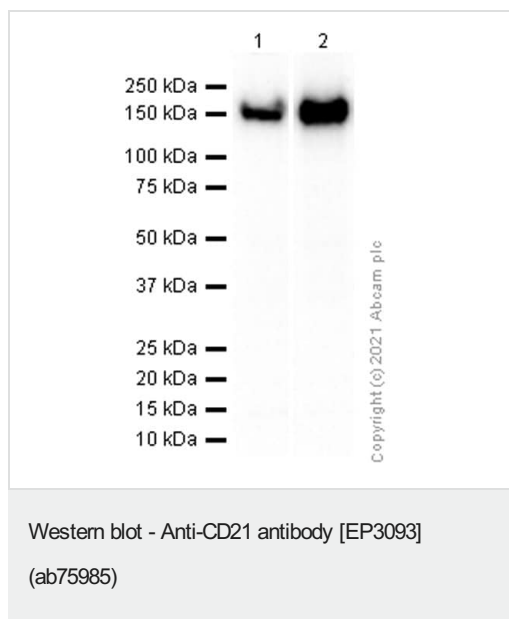
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ICC/IF		1/50. For unpurified use at dilution 1/250 to 1/500
WB		1/2000 - 1/5000. Detects a band of approximately 150 kDa (predicted molecular weight: 113 kDa).
IP		1/100.
IHC-P	★★★★★ (1)	1/8000. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. For unpurified use at dilution 1/250 to 1/500

靶标

功能	Receptor for complement C3Dd, for the Epstein-Barr virus on human B-cells and T-cells and for HNRPU. Participates in B lymphocytes activation.
组织特异性	Mature B-lymphocytes, T-lymphocytes, pharyngeal epithelial cells, astrocytes and follicular dendritic cells of the spleen.
疾病相关	Genetic variations in CR2 are associated with susceptibility to systemic lupus erythematosus type 9 (SLEB9) [MIM:610927]. Systemic lupus erythematosus (SLE) is a chronic autoimmune disease with a complex genetic basis. SLE is an inflammatory, and often febrile multisystemic disorder of connective tissue characterized principally by involvement of the skin, joints, kidneys, and serosal membranes. It is thought to represent a failure of the regulatory mechanisms of the autoimmune system.
序列相似性	Belongs to the receptors of complement activation (RCA) family. Contains 15 Sushi (CCP/SCR) domains.
细胞定位	Membrane.

图片



All lanes : Anti-CD21 antibody [EP3093] (ab75985) at 1/20000 dilution (Purified)

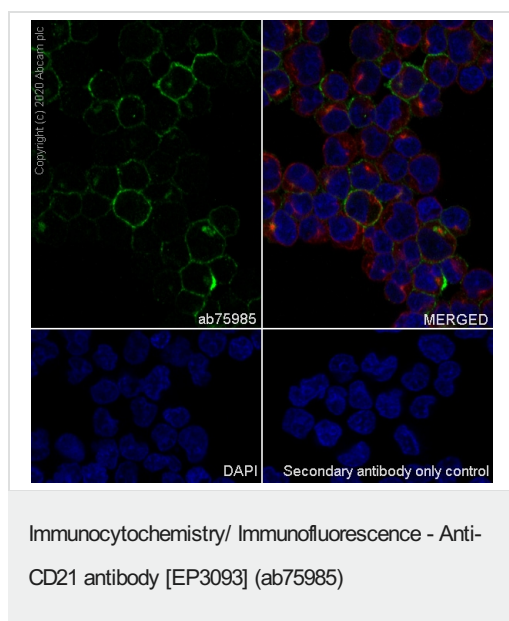
Lane 1 : Daudi (Human Burkitt's lymphoma lymphoblast) whole cell lysate

Lane 2 : Raji (Human Burkitt's lymphoma B lymphocyte) whole cell lysate

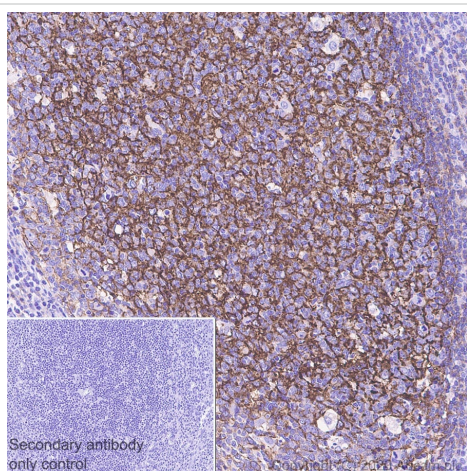
Secondary

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

Predicted band size: 113 kDa

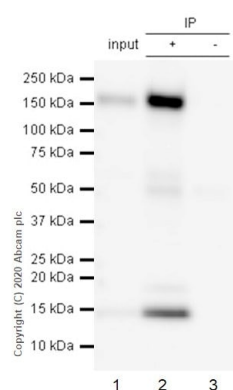


Immunocytochemistry analysis of Raji (Human Burkitt's lymphoma B lymphocyte) cells labeling CD21 with Purified ab75985 at 1:50 dilution (10 µg/ml). Cells were fixed in 4% Paraformaldehyde and permeabilized with 0.1% tritonX-100. Cells were counterstained with [ab195889](#) Anti-alpha Tubulin antibody [DM1A]+H21:L21 - 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.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD21 antibody [EP3093] (ab75985)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human tonsil tissue sections labeling CD21 with Purified ab75985 at 1:8000 dilution (0.066 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.



Immunoprecipitation - Anti-CD21 antibody [EP3093] (ab75985)

Purified ab75985 at 1/100 dilution (2µg) immunoprecipitating CD21 in Daudi whole cell lysate.

Lane 1 (input): Daudi (Human Burkitt's lymphoma lymphoblast) whole cell lysate 10µg

Lane 2 (+): ab75985 + Daudi whole cell lysate.

Lane 3 (-): Rabbit monoclonal IgG ([ab172730](#)) instead of ab75985 in Daudi 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: 155 kDa

The band at around 15kDa could be cleavage form. (PMID: 9647256)

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-CD21 antibody [EP3093] (ab75985)

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

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