

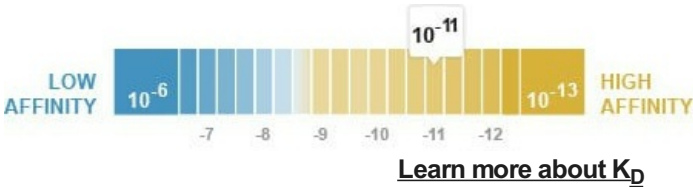
Anti-CD64 antibody [EPR4623] ab109449

敲除验证 重组 RabMAb

2 References 5 图像

概述	
产品名称	Anti-CD64抗体[EPR4623]
描述	兔单克隆抗体[EPR4623] to CD64
宿主	Rabbit
经测试应用	适用于: WB, Flow Cyt 不适用于: 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	U937, THP1, and HL60 cell lysates; U937 cells.
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>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

性能	
形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
解离常数 (K _D)	K _D = 1.00 x 10 ⁻¹¹ M



存储溶液	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR4623
同种型	IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab109449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
WB		1/1000 - 1/10000. Detects a band of approximately 64-78 kDa (predicted molecular weight: 43 kDa).
Flow Cyt		1/100 - 1/500. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

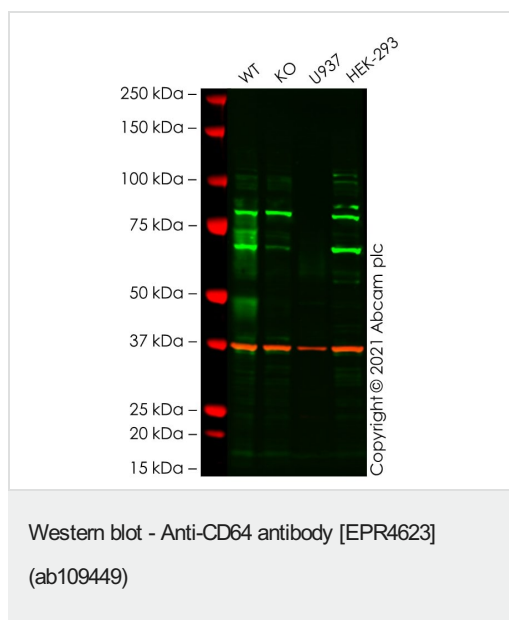
应用说明

Is unsuitable for IHC-P.

靶标

功能	High affinity receptor for the Fc region of immunoglobulins gamma. Functions in both innate and adaptive immune responses.
组织特异性	Monocyte/macrophage specific.
序列相似性	Belongs to the immunoglobulin superfamily. FCGR1 family. Contains 3 Ig-like C2-type (immunoglobulin-like) domains.
翻译后修饰	Phosphorylated on serine residues.
细胞定位	Cell membrane. Stabilized at the cell membrane through interaction with FCER1G.

图片



All lanes : Anti-CD64 antibody [EPR4623] (ab109449) at 1/1000 dilution

Lane 1 : Wild-type THP-1 cell lysate

Lane 2 : FCGR1A knockout THP-1 cell lysate

Lane 3 : U937 cell lysate

Lane 4 : HEK-293 cell lysate

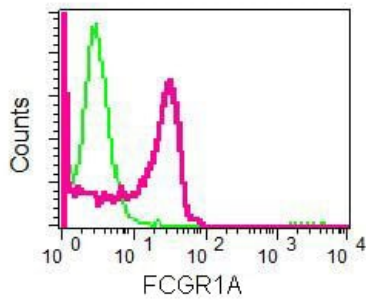
Lysates/proteins at 20 µg per lane.

Performed under reducing conditions.

Predicted band size: 43 kDa

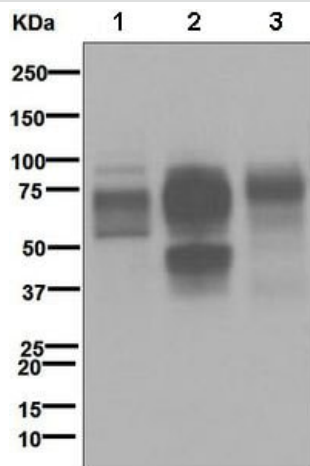
Observed band size: 45-50 kDa

False colour image of Western blot: Anti-CD64 antibody [EPR4623] staining at 1/1000 dilution, shown in green; Mouse anti-GAPDH antibody [6C5] ([ab8245](#)) loading control staining at 1/20000 dilution, shown in red. In Western blot, ab109449 was shown to bind specifically to CD64. A band was observed at 45-50/55-80 kDa in wild-type THP-1 cell lysates with no signal observed at this size in FCGR1A knockout cell line [ab275843](#) (knockout cell lysate [ab275817](#)). To generate this image, wild-type and FCGR1A knockout THP-1 cell lysates were analysed. First, samples were run on an SDS-PAGE gel then transferred onto a nitrocellulose membrane. Membranes were blocked in 3 % milk in TBS-0.1 % Tween[®] 20 (TBS-T) before incubation with primary antibodies overnight at 4 °C. Blots were washed four times in TBS-T, incubated with secondary antibodies for 1 h at room temperature, washed again four times then imaged. Secondary antibodies used were Goat anti-Rabbit IgG H&L (IRDye[®] 800CW) preabsorbed ([ab216773](#)) and Goat anti-Mouse IgG H&L (IRDye[®] 680RD) preabsorbed ([ab216776](#)) at 1/20000 dilution.



Flow Cytometry - Anti-CD64 antibody [EPR4623]
(ab109449)

ab109449 at 1/100 dilution staining CD64 in U937 cells by Flow cytometry (shown in red). Rabbit IgG negative control (shown in green).



Western blot - Anti-CD64 antibody [EPR4623]
(ab109449)

All lanes : Anti-CD64 antibody [EPR4623] (ab109449) at 1/1000 dilution

Lane 1 : U937 cell lysate

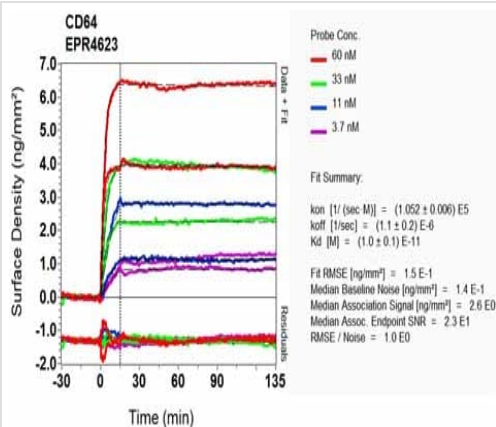
Lane 2 : THP1 cell lysate

Lane 3 : HL60 cell lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 43 kDa

Observed band size: 64-78 kDa



BIACore Scanning - Anti-CD64 antibody [EPR4623]
(ab109449)

Equilibrium dissociation constant (K_D)

Learn more about K_D

[Click here to learn more about \$K_D\$](#)

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-CD64 antibody [EPR4623] (ab109449)

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

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