


Anti-MGAT5 antibody [3E9] ab87977

★★★★★ [5 Abreviews](#) [4 References](#) [4 图像](#)

概述

产品名称	Anti-MGAT5抗体[3E9]
描述	小鼠单克隆抗体[3E9] to MGAT5
宿主	Mouse
经测试应用	适用于: WB, Flow Cyt
种属反应性	与反应: Human, Recombinant fragment 预测可用于: Mouse, Rat, Hamster 
免疫原	Recombinant fragment: LAEPGQCKQ VCQESQLICE PSFFQHLNKD KDMLKYKVTC QSSELAKDIL VPSFDPKNK HCVFQGDL L FSCAGAHPRH QRVCP CRDFI KGQVALCKD, corresponding to amino acids 642 - 739 of Human MGAT5 (NP_002401) with a proprietary tag Run BLAST with ExPASy Run BLAST with NCBI
阳性对照	Jurkat whole cell lysate (ab7899)
常规说明	<p>This product was changed from ascites to tissue culture supernatant on 15 May 2019. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team.</p> <p>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.</p> <p>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</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	pH: 7.40 Constituent: 100% PBS
纯度	Tissue culture supernatant
纯化说明	Purified from TCS.

克隆	单克隆
克隆编号	3E9
同种型	IgG2a
轻链类型	kappa

应用

The Abpromise guarantee **Abpromise™** 承诺保证使用ab87977于以下的经测试应用

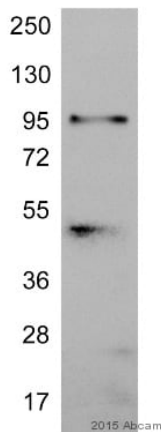
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	★★★★★ (2)	Use at an assay dependent concentration. Predicted molecular weight: 85 kDa.
Flow Cyt		Use at an assay dependent concentration. ab170191 - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.

靶标

功能	Catalyzes the addition of N-acetylglucosamine in beta 1-6 linkage to the alpha-linked mannose of biantennary N-linked oligosaccharides. It is one of the most important enzymes involved in the regulation of the biosynthesis of glycoprotein oligosaccharides.
通路	Protein modification; protein glycosylation.
序列相似性	Belongs to the glycosyltransferase 18 family.
细胞定位	Golgi apparatus membrane.

图片



Western blot - Anti-MGAT5 antibody [3E9] (ab87977)

Image is courtesy of an AbReview submitted by Armen Petrosyan.

Anti-MGAT5 antibody [3E9] (ab87977) at 1/2000 dilution + Human RWPE prostate cells at 20 μ g

Secondary

Donkey anti-mouse polyclonal HRP conjugate at 1/10000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

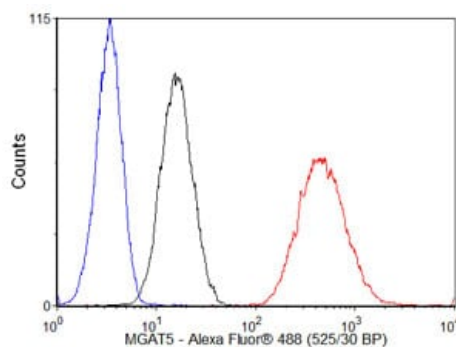
Predicted band size: 85 kDa

Additional bands at: 55 kDa (possible non-specific binding), 95 kDa (possible post-translational modification)

Exposure time: 40 seconds

Blocking was via 5% milk in PBST incubated for 1 hour at 22°C

This image was generated using the ascites version of the product.



Flow Cytometry - Anti-MGAT5 antibody [3E9] (ab87977)

Overlay histogram showing Jurkat cells stained with ab87977 (red line). The cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab87977, 1 μ g/1x10⁶ cells) for 30 min at 22°C. The secondary antibody used was Alexa Fluor® 488 goat anti-mouse IgG (H&L) (**ab150113**) at 1/2000 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG2a [ICIGG2A] (**ab91361**, 1 μ g/1x10⁶ cells) used under the same conditions.

Unlabelled sample (blue line) was also used as a control.

Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 525/30 bandpass filter. This antibody gave a positive signal in Jurkat cells fixed with 80% methanol (5 min)/permeabilized with 0.1% PBS-Tween for 20 min used under the same conditions.

This image was generated using the ascites version of the product.



Western blot - Anti-MGAT5 antibody [3E9]
(ab87977)

Anti-MGAT5 antibody [3E9] (ab87977) at 1 µg/ml + recombinant protein fragment with a proprietary tag (the immunogen) at 0.1 µg

Secondary

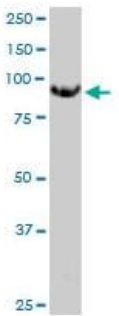
Goat Anti-Mouse IgG (H&L)-HRP Conjugate at 1/5000 dilution

Predicted band size: 85 kDa

Observed band size: 37 kDa

The recombinant protein used as the immunogen has a predicted size of 37 kDa.

This image was generated using the ascites version of the product.



Western blot - Anti-MGAT5 antibody [3E9]
(ab87977)

Anti-MGAT5 antibody [3E9] (ab87977) at 1 µg/ml + jurkat cell lysate at 25 µg

Secondary

Goat Anti-Mouse IgG (H&L)-HRP Conjugate at 1/2500 dilution

Predicted band size: 85 kDa

This image was generated using the ascites version of the product.

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise,

please visit <https://www.abcam.cn/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors