

# Anti-CD16+CD32 antibody [93] - BSA and Azide free ab25235

**14 References**   **2 图像**

### 概述

|       |  |
|-------|--|
| 产品名称  | Anti-CD16+CD32抗体[93] - BSA and Azide free  |
| 描述    | 大鼠单克隆抗体[93] to CD16+CD32 - BSA and Azide free  |
| 宿主    | Rat  |
| 经测试应用 | 适用于: Flow Cyt, Blocking, ICC/IF  |
| 种属反应性 | 与反应: Mouse, Human  |
| 免疫原   | Tissue, cells or virus. Sorted Mouse pre-B cells   |
| 表位    | ab25235 reacts with a conformational epitope formed by CD16 Fc gamma II and CD32 Fc gamma III receptors.   |
| 阳性对照  | ICC: HeLa cells Flow Cyt: C57BL/6 splenocytes.   |
| 常规说明  | <p>This product was changed from ascites to tissue culture supernatant on 02/08/2019. Lot numbers higher than GR3269503 are from tissue culture supernatant. 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>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact <a href="mailto:orders@abcam.com">orders@abcam.com</a>.</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&amp;As</p> |

### 性能

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|------|--|
| 形式   | Liquid   |
| 存放说明 | Shipped at 4°C. Upon delivery aliquot. Store at +4°C. Do Not Freeze. |
| 存储溶液 | Constituent: PBS   |
| 无载体  | 是  |
| 纯度   | Protein G purified   |

|      |       |
|------|-------|
| 克隆   | 单克隆   |
| 克隆编号 | 93    |
| 同种型  | IgG2a |
| 轻链类型 | kappa |

应用

The Abpromise guarantee      **Abpromise™**承诺保证使用ab25235于以下的经测试应用

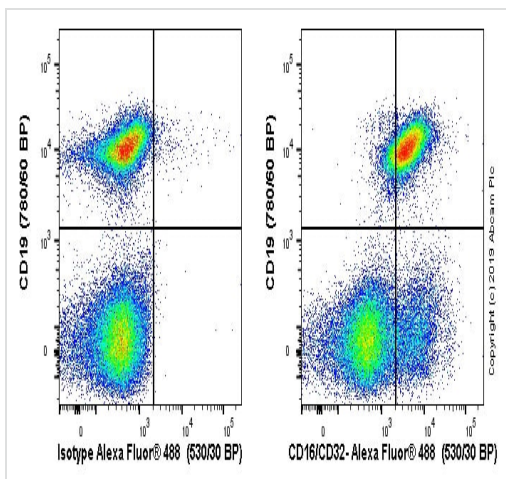
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

| 应用       | Ab评论 | 说明  |
|----------|------|---|
| Flow Cyt |      | Use a concentration of 5 µg/ml.<br><b>ab18536</b> - Rat monoclonal IgG2b, is suitable for use as an isotype control with this antibody. |
| Blocking |      | Use at an assay dependent concentration.<br>ab25235 can be used for blocking of Fc gamma receptors.                                     |
| ICC/IF   |      | Use a concentration of 10 µg/ml.  |

靶标

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| 相关性  | Function: Binds to the Fc region of immunoglobulins gamma. Low affinity receptor. By binding to IgG it initiates cellular responses against pathogens and soluble antigens. Promotes phagocytosis of opsonized antigens. Tissue specificity: Found on monocytes, neutrophils and eosinophil platelets. Similarity: Contains 2 Ig-like C2-type (immunoglobulin-like) domains. PTM: Phosphorylated by SRC-type Tyr-kinases such as LYN, BLK, FYN, HCK and SYK. |
| 细胞定位 | CD32: Type I membrane protein. CD16: Attached to the membrane by a GPI anchor. Exists also as a soluble receptor, produced by a proteolytic cleavage.  |

图片

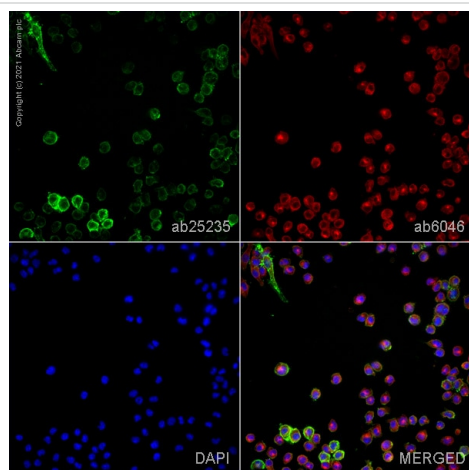


Flow Cytometry - Anti-CD16+CD32 antibody [93] - BSA and Azide free (ab25235)

C57BL/6 mouse splenocytes stained with ab25235 (right) or Rat IgG2ak (**ab18450**) isotype (left). C57BL/6 mouse splenocytes were incubated for 30 min on ice in PBS / 10 % mouse serum to block FC receptors and non-specific protein-protein interaction followed by the antibody (ab25235) or Rat IgG2ak (**ab18450**) ( $1 \times 10^6$  in 100  $\mu$ l at 5  $\mu$ g/ml) for 30 min on ice.

The secondary antibody Goat anti-rat IgG H&L (Alexa Fluor® 488, pre-adsorbed) (**ab150165**) was used at 1/2000 dilution for 30 min at 4°C. The cells were simultaneously stained with CD19 antibody. Acquisition of >30,000 events were collected using a 50 mW Blue laser (488nm) and 530/30 bandpass filter. Events were gated on viable lymphocytes.

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



Immunocytochemistry/ Immunofluorescence - Anti-CD16+CD32 antibody [93] - BSA and Azide free (ab25235)

ab25235 staining CD16 + CD32 in Raw264.7 cells. The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.1% PBS-Tween for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1%PBS-Tween for 1h. The cells were then incubated overnight at 4°C with ab25235 at 10  $\mu$ g/ml and **ab6046**, Rabbit polyclonal to beta Tubulin - Loading Control. Cells were then incubated with **ab150165**, Goat polyclonal Secondary Antibody to Rat IgG - H&L (Alexa Fluor® 488), pre-adsorbed at 1/1000 dilution (shown in green) and **ab150080**, Goat polyclonal Secondary Antibody to Rabbit IgG - H&L (Alexa Fluor® 594) at 1/1000 dilution (shown in pseudocolour red). Nuclear DNA was labelled with DAPI (shown in blue).

Image was acquired with a high-content analyser (Operetta CLS, Perkin Elmer) and a maximum intensity projection of confocal sections is shown.

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

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