

## Product datasheet

# PE Anti-CD16+CD32 antibody [FCR 4G8] ab24537

## 1 References

### Overview

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|                            |  |
|----------------------------|--|
| <b>Product name</b>        | PE Anti-CD16+CD32 antibody [FCR 4G8]   |
| <b>Description</b>         | PE Rat monoclonal [FCR 4G8] to CD16+CD32   |
| <b>Host species</b>        | Rat  |
| <b>Conjugation</b>         | PE. Ex: 488nm, Em: 575nm   |
| <b>Tested applications</b> | <b>Suitable for:</b> Flow Cyt  |
| <b>Species reactivity</b>  | <b>Reacts with:</b> Mouse  |
| <b>Immunogen</b>           | Tissue, cells or virus corresponding to Mouse CD16+CD32. PU5 1.8 IOE7 Balb/c cell line (Mouse) |

### General notes

ab24537 recognises an epitope expressed by the murine low affinity Fc receptors, Fc gamma III (CD16) and Fc gamma II (CD32).

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.

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

### Properties

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|                               |  |
|-------------------------------|--|
| <b>Form</b>                   | Liquid   |
| <b>Storage instructions</b>   | Shipped at 4°C. Store at +4°C.   |
| <b>Storage buffer</b>         | pH: 7.40<br>Preservative: 0.09% Sodium azide<br>Constituents: PBS, 1% BSA  |
| <b>Purity</b>                 | Protein G purified   |
| <b>Primary antibody notes</b> | ab24537 recognises an epitope expressed by the murine low affinity Fc receptors, Fc gamma III (CD16) and Fc gamma II (CD32). |
| <b>Clonality</b>              | Monoclonal   |

|                     |               |
|---------------------|---------------|
| <b>Clone number</b> | FCR 4G8       |
| <b>Myeloma</b>      | P3x63-Ag8.653 |
| <b>Isotype</b>      | IgG2b         |

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab24537 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes  |
|-------------|-----------|--|
| Flow Cyt    |           | Use at an assay dependent concentration.<br>Neat - 1/10. Use 10ul to label 10 <sup>6</sup> cells in 100ul. <b>ab136585</b> - Rat monoclonal IgG2b, is suitable for use as an isotype control with this antibody. |

## Target

**Relevance** 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.

**Cellular localization** 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.

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

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