# PE Anti-Rat CD11b/c Antibody[OX-42]

**Catalog Number:** AN00651D

**Note:** *Centrifuge before opening to ensure complete recovery of vial contents.*

## Description

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| **Reactivity** | Rat |
| **Host** | Mouse |
| **Isotype** | Mouse IgG2a, κ |
| **Clone No.** | OX-42 |
| **Isotype Control** | PE Mouse IgG2a, κ Isotype Control[C1.18.4] [Product E-AB-F09802D] |
| **Conjugation** | PE |
| **Conjugation Information** | PE is designed to be excited by the Blue (488 nm), Green (532 nm) and Yellow-Green (561 nm) lasers and detected using an optical filter centered near 575 nm (e.g., a 585/42 nm bandpass filter). |
| **Storage Buffer** | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer. |

## Applications — Recommended usage

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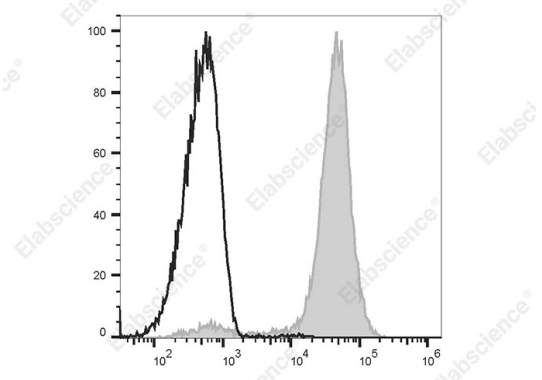
| **FCM** | Each lot of this antibody is quality control tested by flow cytometric analysis. **The amount of the reagent is suggested to be used 5 μL of antibody per test (million cells in 100 μL staining volume or per 100 μL of whole blood).** Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. |

## Data




Staining of Rat bone marrow cells with PE Anti-Rat CD11b/c Antibody[OX-42] (left) or PE Mouse IgG2a Isotype Control (right). Cells in the Granulocytes gate were used for analysis.

## Preparation & Storage

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| **Storage** | Keep as concentrated solution.<br>This product can be stored at 2-8°C for 24 months. Please protected from prolonged exposure to light and do not freeze. |
| **Shipping** | Ice bag |

## Antigen Information

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| **Alternate Names** | Rat C3bi receptor;Rat CR3 complement receptor;ITGAM;ITGAX |
| **Uniprot ID** | P46892 |
| **Gene ID** | 25021;499271 |


Toll-free: 1-888-852-8623
Tel: 1-832-243-6086
Fax: 1-832-243-6017
Web:www.elabscience.com
Email:techsupport@elabscience.com

**Background**

The OX-42 antibody reacts with the CR3 complement (C3bi) receptor expressed on monocytes, granulocytes, macrophages, dendritic cells, and NK cells. This antibody appears to recognize a common epitope shared between CD11b and CD11c (integrin αM and αX chains). The OX-42 antibody precipitates three polypeptides with apparent molecular weights of 160, 103, and 95 kD, respectively. This antibody has been shown to block the formation of complement-mediated rosettes and leukocyte migration.


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