# PE/Cyanine5 Anti-Rat CD172a(SIRPα) Antibody[OX-41]

**Catalog Number:** AN00652G

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

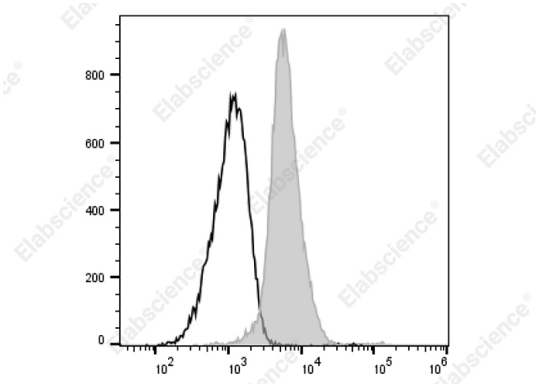
## Description

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| **Reactivity** | Rat |
| **Host** | Mouse |
| **Isotype** | Mouse IgG2a, κ |
| **Clone No.** | OX-41 |
| **Isotype Control** | PE/Cyanine5 Mouse IgG2a, κ Isotype Control[C1.18.4] [Product E-AB-F09802G] |
| **Conjugation** | PE/Cyanine 5 |
| **Conjugation Information** | PE/Cyanine 5 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 670 nm (e.g., a 690/50 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/Cyanine 5 Anti-Rat CD172a(SIRPα) Antibody[OX-41] (filled gray histogram) or PE/Cyanine5 Mouse IgG2a, κ Isotype Control (empty black histogram). Total viable cells 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** | Folate receptor alpha;FR-alpha;KB cells FBP;folate binding protein;folate receptor;adult;adult folate-binding protein;ovarian tumor-associated antigen MOv18 |
| **Uniprot ID** | P97710 |


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|---|---|
| **Gene ID** | 19261 |
| **Background** | Rat CD172a, also known as a signal-regulatory protein α (SIRPα), is a 75-110 kD transmembrane glycoprotein involved in the receptor tyrosine kinase coupled signaling pathway. It belongs to the Ig superfamily primarily expressed on monocytes/ macrophages, granulocytes, dendritic cells and neurons. CD172a serves as a substrate of activated receptor ttyrosine kinases (RTKs). The interaction of the CD172a intracellular domain with SHP-1 and SHP-2 displays negative signaling in the regulation of leukocyte adhesion and transmigration, T cell activation, macrophage fusion and phagocytosis. CD47 (IAP) is an extracellular ligand for CD172a. |


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