

## APC Anti-Rat CD172a Antibody[OX-41]

Catalog Number: AN00652E

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

### Description

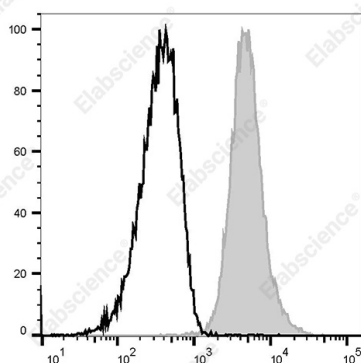
<b>Reactivity</b>	Rat
<b>Host</b>	Mouse
<b>Isotype</b>	Mouse IgG2a, κ
<b>Clone No.</b>	OX-41
<b>Isotype Control</b>	APC Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792E]
<b>Conjugation</b>	APC
<b>Conjugation Information</b>	APC is designed to be excited by the Red (627-640 nm) laser and detected using an optical filter centered near 660 nm (e.g., a 660/20 nm bandpass filter).
<b>Storage Buffer</b>	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

### Applications

### Recommended usage

<b>FCM</b>	Each lot of this antibody is quality control tested by flow cytometric analysis. <b>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).</b> Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.
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### Data



Staining of Rat bone marrow cells with APC Anti-Rat CD172a Antibody[OX-41] (left) or APC Mouse IgG2a Isotype Control (right). Cells in the Granulocytes gate were used for analysis.

### Preparation & Storage

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

### Antigen Information

<b>Alternate Names</b>	SIRPa;PTPNS1;BIT;MFR;p84;CD172 antigen-like family member A;
<b>Uniprot ID</b>	P97710
<b>Gene ID</b>	19261

### For Research Use Only

## Background

Rat CD172a, also known as a signal-regulatory protein 伪 (SIRP伪), 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 tyrosine 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.