APC Anti-Rat CD172a Antibody[OX-41]

Catalog Number: AN00652E

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

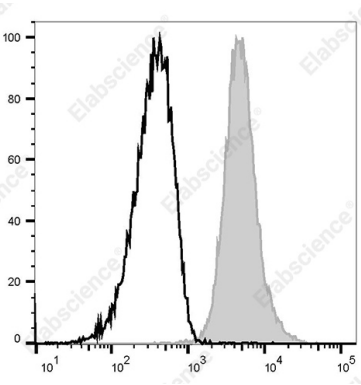
Description

Reactivity	Rat
Host	Mouse
Isotype	Mouse IgG2a, κ
Clone No.	OX-41
Isotype Control	APC Mouse IgG2a, κ Isotype Control[C1.18.4] [Product E-AB-F09802E]
Conjugation	APC
Conjugation Information	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).
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

Applications — Recommended usage

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 APC Anti-Rat CD172a Antibody[OX-41] (filled gray histogram) or APC Mouse IgG2a Isotype Control (empty black histogram). Cells in the Granulocytes gate were used for analysis.

Preparation & Storage

Storage	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.
Shipping	Ice bag

Antigen Information

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

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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 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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