

Elab Fluor® 488 Anti-Rat CD172a Antibody[OX-41]

Catalog Number: AN00652L

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

Description

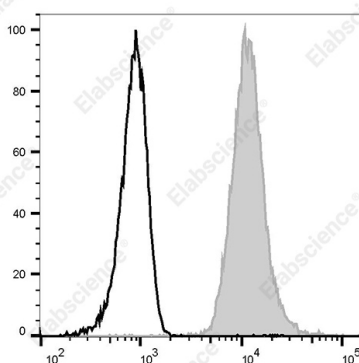
Reactivity	Rat
Host	Mouse
Isotype	Mouse IgG2a, κ
Clone No.	OX-41
Isotype Control	Elab Fluor® 488 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792L]
Conjugation	Elab Fluor® 488
Conjugation Information	Elab Fluor® 488 is designed to be excited by the Blue laser (488 nm) and detected using an optical filter centered near 520 nm (e.g., a 525/40 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 Elab Fluor® 488 Anti-Rat CD172a Antibody[OX-41] (left) or Elab Fluor® 488 Mouse IgG2a Isotype Control (right). 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

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.