

APC Anti-Rat CD11b (OX42)

Catalog Number: APC-65229

Basic Information

Catalog Number:

APC-65229

Size:

100ug, 200 µg/ml

Source:

Mouse

Isotype:

IgG2a, kappa

GenBank Accession Number:

NM_012711

GeneID (NCBI):

25021

UNIPROT ID:

Q9J130

Full Name:

integrin alpha M

Calculated MW:

127 kDa

Purification Method:

N/A

CloneNo.:

OX42

Excitation/Emission maxima wavelengths:

650 nm / 660 nm

Applications

Tested Applications:

FC

Species Specificity:

Rat

Background Information

Integrins are cell adhesion receptors that are heterodimers composed of non-covalently associated α and β subunits (PMID: 9779984). CD11b, also known as Integrin alpha M or CR3A, belongs to the integrin alpha chain family. CD11b forms an α / β heterodimer with CD18 (integrin β 2). CD11b/CD18 is implicated in various adhesive interactions of monocytes, macrophages and granulocytes as well as in mediating the uptake of complement-coated particles and pathogens (PMID: 9558116; 20008295). CD11b/CD18 is a receptor for the complement protein fragment iC3b, and is also a receptor for fibrinogen, factor X and ICAM1 (PMID: 2971974; 15485828).

Storage

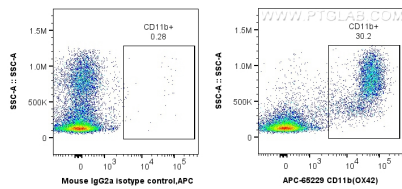
Storage:

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.1% sodium azide and 0.5% BSA.

Selected Validation Data



1X10⁶ rat bone marrow cells were surface stained with 0.1 ug APC Anti-Rat CD11b (APC-65229, Clone: OX42) or 0.1 ug APC Mouse IgG2a Isotype Control (C1.18.4) (APC-65208, Clone: C1.18.4). Cells were not fixed.