

For Research Use Only

Anti-Rat CD11b (OX42)

Catalog Number: 65229-1-Ig



Basic Information

Catalog Number:

65229-1-Ig

Size:

100ug, 0.5 mg/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:

Affinity purification

CloneNo.:

OX42

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. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

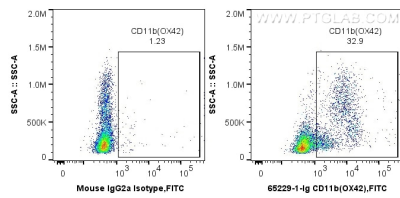
For technical support and original validation data for this product please contact:

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Selected Validation Data



1X10⁶ LOU rat splenocytes were surface stained with 0.5 ug Anti-Rat CD11b (65229-1-Ig, Clone: OX42) and FITC anti-Mouse IgG2a Antibody at dilution 1:100, or 0.5 ug Control Antibody. Cells were not fixed.