For Research Use Only

Anti-Rat CD11b/c (OX42)

Catalog Number:65229-1-Ig 2 Publications

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Basic Information

Catalog Number:
65229-1-Ig

Concentration:
100ug, 0.5 mg/ml

Source:
Mouse

Isotype:
IgG2a, kappa

GenBank Accession Number:
NM_012711

GeneID (NCBI):
25021

UNIPROT ID:
Q9JI30

Full Name:
integrin alpha M

Calculated MW:
127 kDa

Purification Method:
Affinity purification

CloneNo.:
OX42

Recommended Dilutions:
FC: 0.5 ug per 10^6 cells in 100 ul suspension

Applications

Tested Applications:
FC

Cited Applications:
IF, FC

Species Specificity:
rat

Cited Species:
rat

Positive Controls:

FC : LOU rat splenocytes,

Background Information

Integrins are cell adhesion receptors that are heterodimers composed of non-covalently associated α and β subunits (PMID: 9779984). CD11b (integrin alpha M or CR3A) and CD11c (integrin alpha X) are members of the integrin alpha chain family and can form α / β heterodimers with CD18 (integrin β 2). CD11b/CD18 is a receptor for the complement protein fragment C3bi, and is also a receptor for fibrinogen, factor X, and ICAM1 (PMID: 2971974; 15485828). CD11c/CD18 acts as a receptor for fibrinogen and is important in monocyte adhesion and chemotaxis (PMID: 1671533). The OX-42 antibody recognizes a common epitope shared between CD11b and CD11c. It binds to C3bi receptor and is known to block C3bi binding (PMID: 3512425; 8449218).

Notable Publications

Author	Pubmed ID	Journal	Application
Lishi Jie	41273871	Phytomedicine	IF
Caiping Yan	41031190	Mater Today Bio	FC

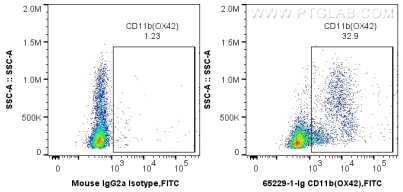
Storage

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:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10^6 LOU rat splenocytes were surface stained with 0.5 ug Anti-Rat CD11b/c (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.