

For Research Use Only

CoraLite®594 Anti-Rat CD11b/c (OX42)

Catalog Number:CL594-65229



Basic Information

Catalog Number:

CL594-65229

Concentration:

100ug, 500 ug/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:

N/A

CloneNo.:

OX42

Recommended Dilutions:

FC: 0.2 ug per 10⁶ cells in 100 μ l suspension

Excitation/Emission maximum wavelengths:

588 nm / 604 nm

Applications

Tested Applications:

FC

Species Specificity:

rat

Positive Controls:

FC : 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).

Storage

Storage:

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

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

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

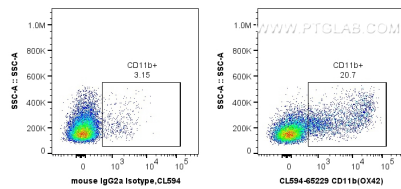
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ rat splenocytes were surface stained with 0.2 ug CoraLite®594 Anti-Rat CD11b/c (CL594-65229, Clone:OX42), or 0.2 ug Isotype Control. Cells were not fixed.