For Research Use Only

FcZero-rAb® PE-CoraLite® Plus 594 Anti-Rat CD11b/c (OX42) Rabbit Recombinant Antibody

Catalog Number:PCL594-FcA65606

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
PCL594-FcA65606

Size:
100ug , 500 ug/ml

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_012711

GeneID (NCBI):
25021

UNIPROT ID:
Q9JI30

Full Name:
integrin alpha M

Calculated MW:
127 kDa

Purification Method:
Protein A purification

CloneNo.:
OX42

Recommended Dilutions:
FC: 0.1 ug per 10^6 cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:
496 nm, 565 nm / 604 nm

Applications

Tested Applications:
FC

Species Specificity:
rat

Positive Controls:

FC : rat bone marrow cells,

Background Information

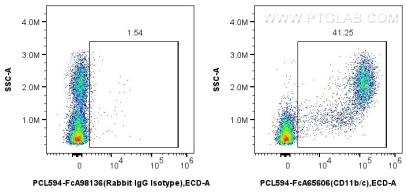
Integrins are cell adhesion receptors that are heterodimers composed of non-covalently associated α and β subunits (PMID: 9779984). CD11b (integrin alpha M or CR3A) and CD11c (integrin alpha X) are members of the integrin alpha chain family and can form α/β heterodimers with CD18 (integrin β2). CD11b/CD18 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

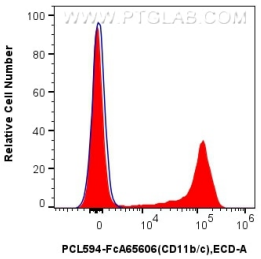
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

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

Selected Validation Data



1x10^6 rat bone marrow cells were surface stained with 0.1 ug PE-CL594 Plus Anti-Rat CD11b/c (OX42) Rabbit IgG RecAb (PCL594-FcA65606, Clone: OX42) or FcZero-rAb™ PE-CoraLite® Plus 594 Rabbit IgG Isotype Control Recombinant Antibody (PCL594-FcA98136, Clone: 240953C9). Cells were not fixed.



1x10^6 rat bone marrow cells were surface stained with 0.1 ug PE-CL594 Plus Anti-Rat CD11b/c (OX42) Rabbit IgG RecAb (PCL594-FcA65606, Clone: OX42) (red) or FcZero-rAb™ PE-CoraLite® Plus 594 Rabbit IgG Isotype Control Recombinant Antibody (PCL594-FcA98136, Clone: 240953C9) (blue). Cells were not fixed.