

For Research Use Only

CoraLite® Plus 488 Anti-Rat CD11b/c (OX42) Mouse IgG2a Recombinant Antibody

Catalog Number: CL488-65606



Basic Information

Catalog Number:

CL488-65606

Concentration:

100ug, 500 ug/ml

Source:

Mouse

Isotype:

IgG2a

GenBank Accession Number:

NM_012711

GeneID (NCBI):

25021

UNIPROT ID:

Q9J130

Full Name:

integrin alpha M

Calculated MW:

127 kDa

Purification Method:

Protein A purification

CloneNo.:

OX42

Recommended Dilutions:

FC: 0.25 ug per 10⁶ cells in 100 µl suspension

Excitation/Emission maxima wavelengths:

493 nm / 522 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 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:

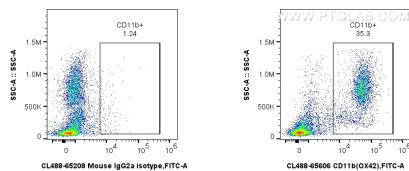
T: 4006900926

E: Proteintech-CN@ptglab.com

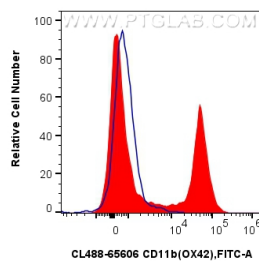
W: ptgcn.com

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Selected Validation Data



1x10⁶ rat bone marrow cells were surface stained with 0.25ug CoraLite® Plus 488 Anti-Rat CD11b/c (OX42) Mouse IgG2a Recombinant Antibody (CL488-65606, Clone: OX42), or CoraLite® Plus 488 Mouse IgG2a Isotype Control (C1.18.4) (CL488-65208, Clone: C1.18.4). Cells were not fixed.



1x10⁶ rat bone marrow cells were surface stained with 0.25ug CoraLite® Plus 488 Anti-Rat CD11b (OX42) Mouse IgG2a Recombinant Antibody (CL488-65606, Clone: OX42) (red), or CoraLite® Plus 488 Mouse IgG2a Isotype Control (C1.18.4) (CL488-65208, Clone: C1.18.4) (blue). Cells were not fixed.