Anti-mouse CD11c Antibody for Flow Cytometry (Clone: N418, Mouse IgG1 Kappa) | PA007485.m1

Catalog No.: PA007485.m1 | **Isotype:** Mouse IgG1 Kappa | **Flow Cytometry Grade**

Recombinant mouse anti-mouse CD11c monoclonal antibody (Clone N418), engineered with a Mouse IgG1 Kappa constant region for flow cytometry and immunohistochemistry studies. Variable regions are derived from the classic hamster anti-mouse CD11c clone N418 and recombinantly expressed in mammalian cells. Recombinant Mouse IgG1 and Human IgG1 isotype controls are available. For human T cell research, Syd Labs OKT3 antibodies are also available.

Product Specifications

Catalog No.	PA007485.m1
Product Name	Recombinant Anti-mouse CD11c Monoclonal Antibody (Clone: N418), Mouse IgG1 Kappa
Synonyms	aX integrin, CR4, p150, integrin alpha X
Clone & Isotype	N418 | Mouse IgG1 Kappa
Applications	Flow cytometry (FC), and Immunohistochemistry - Frozen (IHC-F).
Reactivity & Specificity	Mouse CD11c. The recombinant N418 antibody for Flow Cytometry specifically binds to mouse CD11c.
Source / Host	The anti-mouse CD11c monoclonal antibody (clone: N418) for Flow Cytometry was produced in mammalian cells.
Formulation & Conjugate	0.2 uM filtered solution, pH 7.4, containing 0.09% sodium azide. Non-conjugated.
Purity	**>95%** by SDS-PAGE under reducing conditions.
Shipping	The Recombinant Anti-mouse CD11c Monoclonal Antibody (Clone: N418) for Flow Cytometry, Mouse IgG1 Kappa is shipped with ice pack. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, 2 to 8°C as supplied. Do not freeze it.

Biological Description & Background

PA007485.m1: Recombinant Anti-mouse CD11c Monoclonal Antibody (Clone: N418) for Flow Cytometry, Mouse IgG1 Kappa.

Recombinant Mouse IgG1 Monoclonal Antibody.

CD11c (integrin alpha X, p150) is a 150 kD type I transmembrane glycoprotein that non-covalently associates with CD18 (integrin beta 2) to form the CD11c/CD18 heterodimer (CR4). CD11c is predominantly expressed on dendritic cells, macrophages, NK cells, and subsets of T and B cells, playing pivotal roles in cell adhesion, phagocytosis, and antigen presentation.

The monoclonal antibody clone N418 specifically recognizes mouse CD11c. Expressed recombinantly with a Mouse IgG1 Kappa constant domain in mammalian cells, this antibody offers outstanding batch-to-batch reproducibility and high specificity for flow cytometry, immunohistochemistry, and dendritic cell characterization. For human T cell research, Syd Labs OKT3 antibodies are also available.

Ordering & Technical Support

For custom volume ordering or inquiries, please visit the product webpage or contact our support team:

- **Product Webpage:** https://www.ushelf.com/anti-mouse-cd11c-monoclonal-antibody-pa007485-m1/
- **Order Phone:** 1-617-401-8149 | **Fax:** 1-617-606-5022
- **Support Email:** message@sydlabs.com