Anti-mouse CD11c Antibody for Flow Cytometry (Clone: N418, Human IgG1 Fc Silent Kappa) | PA007485.h1Fs

Catalog No.: PA007485.h1Fs | **Isotype:** Human IgG1 Fc Silent Kappa | **Flow Cytometry / In Vivo Grade**

Recombinant anti-mouse CD11c monoclonal antibody (Clone N418), engineered with a Human IgG1 Fc-Silent domain to eliminate ADCC/CDC and minimize non-specific Fc receptor binding during 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 Human IgG1 isotype controls are available. For human T cell research, Syd Labs OKT3 antibodies are also available.

Product Specifications

Catalog No.	PA007485.h1Fs
Product Name	Recombinant Anti-mouse CD11c Monoclonal Antibody (Clone: N418), Human IgG1 Fc Silent Kappa
Synonyms	aX integrin, CR4, p150, integrin alpha X
Clone & Isotype	N418 | Human IgG1 Fc Silent 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, Human IgG1 Fc Silent 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.h1Fs: Recombinant Anti-mouse CD11c Monoclonal Antibody (Clone: N418) for Flow Cytometry, Human IgG1 Fc Silent Kappa.

Recombinant Human IgG1 Monoclonal Antibody with Fc silent mutation.

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.

Engineered with a Human IgG1 Fc Silent domain, clone N418 eliminates ADCC/CDC effector functions and prevents non-specific Fc receptor binding, providing an optimal Fc-silent reagent for high-precision 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-h1fs/
- **Order Phone:** 1-617-401-8149 | **Fax:** 1-617-606-5022
- **Support Email:** message@sydlabs.com