Anti-mouse CD11c Antibody (Clone: N418) | PA007390.m1

Catalog No.: PA007390.m1 | **Isotype:** Mouse IgG1 Kappa | **In vivo Grade**

Recombinant Mouse IgG1 isotype controls and Recombinant Hamster IgG2 isotype controls are available. Condition of sample preparation and optimal sample dilution should be determined experimentally by the investigator.

Product Specifications

Catalog No.	PA007390.m1
Product Name	In vivo Grade Recombinant Anti-mouse CD11c Monoclonal Antibody, Mouse IgG1 Kappa (Clone: N418)
Clone & Isotype	N418. | Mouse IgG1 Kappa.
Synonyms	X integrin, CR4, p150, integrin alpha X
Applications	ELISA, flow cytometry, neutralization, functional assays such as bioanalytical PK and ADA assays, and those assays for studying biological pathways affected by the mouse CD11c protein.
Immunogen	The in vivo grade recombinant hamster monoclonal antibody (clone: N418) specifically binds to mouse CD11c.
Purity & Endotoxin	**>95%** by SDS-PAGE under reducing conditions | **Less than 1 EU/mg** of protein as determined by LAL method.
Formulation	0.2 μm filtered solution of 1x PBS.
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 1 month from date of receipt, 2 to 8°C as supplied.

Biological Description & Research Applications

Background: The hamster anti-mouse CD11c monoclonal antibody N418 (hamster IgG2 kappa) reacts with the mouse CD11c protein, the most widely used defining marker for dendritic cells (DCs). The CD11c protein helps cells stick together and is involved in many processes, including phagocytosis, cell migration, and the activation of T cells. CD11c helps cells stick together by binding to molecules like ICAM-1, fibrinogen, and iC3b, helps cells engulf and digest other cells, helps Langerhans cells activate T cells, regulates neutrophil maturation and function, and helps dendritic cells capture and activate other cells. In addition to dendritic cells and tissue macrophages, CD11c is expressed in different B-cell lymphomas, including chronic lymphocytic leukemia. CD11c-expressing cells are also found in the mouse nervous system.

Our recombinant N418 antibodies have a part (variable regions) or complete amino acid sequences of the hamster anti-mouse CD11c monoclonal antibody (hybridoma clone name or number: N418).

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-antibody-n418-pa007390-m1/
- **Order Phone:** 1-617-401-8149 | **Fax:** 1-617-606-5022
- **Support Email:** message@sydlabs.com