

## Recombinant Anti-mouse CD11c Monoclonal Antibody, Mouse IgG1 Kappa (Clone N418)

Catalog No.: PA007390.m1

### 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).

**Source:** The in vivo grade recombinant anti-mouse CD11c monoclonal antibody, mouse IgG1 kappa (clone number: N418) was produced in mammalian cells.

**Clone:** N418, the same variable region sequences as the hamster anti-mouse CD11c monoclonal antibody (clone number: N418).

**Isotype:** mouse IgG1, kappa.

**Specificity/Sensitivity:** The in vivo grade recombinant anti-mouse CD11c mouse IgG1 kappa monoclonal antibody specifically binds to the mouse CD11c.

**Applications:** ELISA, neutralization, functional assays such as bioanalytical PK and ADA assays, and those assays for studying biological pathways affected by the mouse CD11c.

**Form of Antibody:** 0.2 µM filtered solution of PBS, pH 7.4.

**Purity:** > 95% by reducing SDS-PAGE.

**Endotoxin Level:** Less than 1 EU/mg of protein as determined by the LAL method.

**Shipping:** The product 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.

1 month from date of receipt if stored at 2°C to -8°C as supplied.

12 months from date of receipt if stored at -20°C to -70°C as supplied.

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<https://www.duozhaozhao.com/anti-mouse-cd11c-antibody-pa007390-m1/>