Anti-CD11c [N418] Standard Size Ab00420-1.1

This chimeric mouse antibody was made using the variable domain sequences of the original Hamster IgG1 format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Mouse IgG1, Kappa
Clone Number: N418
Alternative Name(s) of Target: Integrin alpha-X
UniProt Accession Number of Target Protein: P20702
Published Application(s): FACS, in vivo, FC, IF
Published Species Reactivity: Human, Mouse
Immunogen: Hamster spleen cells that had been primed to mouse spleen dendritic cells
Specificity: The antibody binds to mouse and human CD11c.
Application Notes: This antibody binds to human CD11, which is part of the human integrin receptor for fibrinogen, recognizing a GPR motif. The receptor is involved in cell-cell contacts, chemotaxis, and inflammatory responses. The binding of this antibody to its target was originally evaluated via FACS (Metlay et al., 1990; PMID: 2185332). This antibody was used for FC (Liu et al., 1998; PMID: 9723687). This antibody was used *in vivo* as a tool to target the delivery of a model antigen specifically to dendritic cells in mice, resulting in rapid and high antibody response (Wang et al., 2000; PMID: 10639168). Conjugating this antibody to synthetic peptides enhanced their immunogenicity (Berry et al., 2003; PMID: 10639168). This antibody was successfully used in an IF assay (AbAb internal results).
Antibody First Published in: Metlay et al. The distinct leukocyte integrins of mouse spleen dendritic cells as identified with new hamster monoclonal antibodies. Journal of Experimental Medicine 1990; 171(5):1753-71 PMID:2185332
Note on publication: Describes the generation of several hamster monoclonal antibodies against human dendritic cells.

Product Form

Size: 200 µg Purified antibody.
Purification: Protein A affinity purified
Supplied In: PBS with 0.02% Proclin 300.
Storage Recommendation: Store at 4ºC for up to 3 months. For longer storage, aliquot and store at -

20^{o}C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.