

# Datasheet: MCA1369SBUV400

**BATCH NUMBER 64608490**

|                      |                                                     |
|----------------------|-----------------------------------------------------|
| <b>Description:</b>  | HAMSTER ANTI MOUSE CD11c:StarBright UltraViolet 400 |
| <b>Specificity:</b>  | CD11c                                               |
| <b>Other names:</b>  | INTEGRIN ALPHA X CHAIN                              |
| <b>Format:</b>       | StarBright UltraViolet 400                          |
| <b>Product Type:</b> | Monoclonal Antibody                                 |
| <b>Clone:</b>        | N418                                                |
| <b>Isotype:</b>      | IgG                                                 |
| <b>Quantity:</b>     | 100 TESTS/0.5ml                                     |

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

|                | Yes | No | Not Determined | Suggested Dilution |
|----------------|-----|----|----------------|--------------------|
| Flow Cytometry | ▪   |    |                | Neat               |

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

|                          |                                                                                               |                     |                   |
|--------------------------|-----------------------------------------------------------------------------------------------|---------------------|-------------------|
| Target Species           | Mouse                                                                                         |                     |                   |
| Product Form             | Purified IgG conjugated to StarBright UltraViolet 400 - liquid                                |                     |                   |
| Max Ex/Em                | Fluorophore                                                                                   | Excitation Max (nm) | Emission Max (nm) |
|                          | StarBright UltraViolet 400                                                                    | 335                 | 394               |
| Preparation              | Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant |                     |                   |
| Buffer Solution          | Phosphate buffered saline                                                                     |                     |                   |
| Preservative Stabilisers | 0.09% Sodium Azide (NaN <sub>3</sub> )                                                        |                     |                   |
|                          | 1% Bovine Serum Albumin                                                                       |                     |                   |
|                          | 0.1% Pluronic F68                                                                             |                     |                   |

0.1% PEG 3350

0.05% Tween 20

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|                  |                               |
|------------------|-------------------------------|
| <b>Immunogen</b> | Mouse spleen dendritic cells. |
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|--------------------------------|--|
| <b>External Database Links</b> |  |
|--------------------------------|--|

**UniProt:**

[Q9QXH4](#)

[Related reagents](#)

**Entrez Gene:**

[16411](#)

Itgax

[Related reagents](#)

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|------------------------|----------------------------------------------------------------------------------------------------|
| <b>Fusion Partners</b> | Spleen cells from immunized Armenian Hamster were fused with cells of the Sp2/0 myeloma cell line. |
|------------------------|----------------------------------------------------------------------------------------------------|

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|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Specificity</b> | <b>Hamster anti Mouse CD11c antibody, clone N418</b> recognizes the murine homolog of human CD11c, also known as Integrin Alpha X, a 150/90 kDa member of the beta 2 integrin family. In mice, CD11c is primarily expressed by dendritic cells. |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Hamster anti Mouse CD11c antibody, clone N418 has been reported to enhance antigen specific responses when used to target dendritic cells *in vivo* ([Wang et al. 2000](#)).

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| <b>Flow Cytometry</b> | Use 5µl of the suggested working dilution to label 10 <sup>6</sup> cells in 100µl. Best practices suggest a 5 minutes centrifugation at 6,000g prior to sample application. |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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| <b>References</b> |  |
|-------------------|--|

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|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Storage                       | Store at +4°C. DO NOT FREEZE.<br>This product should be stored undiluted.                                                                                                              |
| Guarantee                     | 12 months from date of despatch                                                                                                                                                        |
| Acknowledgements              | This product is covered by U.S. Patent No. 10,150,841 and related U.S. and foreign counterparts                                                                                        |
| Health And Safety Information | Material Safety Datasheet documentation #20471 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA1369SBUV400">https://www.bio-rad-antibodies.com/SDS/MCA1369SBUV400</a> |
| Regulatory                    | For research purposes only                                                                                                                                                             |

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[MOUSE SEROBLOCK FcR \(BUF041B\)](#)

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Printed on 20 Aug 2026