

Datasheet: MCA2289A647

BATCH NUMBER 166553

| | |
|----------------------|--|
| Description: | RAT ANTI MOUSE DECTIN-1:Alexa Fluor® 647 |
| Specificity: | DECTIN-1 |
| Other names: | CD369 |
| Format: | ALEXA FLUOR® 647 |
| Product Type: | Monoclonal Antibody |
| Clone: | 2A11 |
| Isotype: | IgG2b |
| Quantity: | 100 TESTS/1ml |

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.

| | Yes | No | Not Determined | Suggested Dilution |
|----------------|-----|----|----------------|--------------------|
| Flow Cytometry | ▪ | | | Neat - 1/10 |

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 Alexa Fluor® 647 - liquid | | |
| Max Ex/Em | Fluorophore | Excitation Max (nm) | Emission Max (nm) |
| | Alexa Fluor®647 | 650 | 665 |
| Preparation | Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant | | |
| Buffer Solution | Phosphate buffered saline | | |
| Preservative | 0.09% sodium azide (NaN ₃) | | |
| | 1% bovine serum albumin | | |
| Approx. Protein | IgG concentration 0.05 mg/ml | | |

Concentrations

| | |
|-----------|---|
| Immunogen | Dectin-1 transfected NIH3T3 cells and recombinant soluble Dectin-1. |
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External Database Links

UniProt:

[Q6QLQ4](#)

[Related reagents](#)

Entrez Gene:

[56644](#)

Clec7a

[Related reagents](#)

Synonyms

Bgr, Clec7a, Dectin1

RRID

AB_321142

Fusion Partners

Spleen cells from immunized Fischer rats were fused with cells of the rat Y3 myeloma cell line

Specificity

Rat anti Mouse dectin-1 antibody, clone 2A11 recognizes murine beta-glucan receptor, also known as dectin-1 or CD369. Dectin-1 is predominantly expressed by cells of the monocyte/macrophage and neutrophil lineages, but also at lower levels by dendritic cells and a subpopulation of T cells.

As a major leucocyte receptor for beta-glucan this molecule may have a key role in the immunomodulatory effects of beta-glucans and in the host response to fungal pathogens. Dectin-1 may stimulate reactive oxygen production in macrophages via the protein tyrosine kinase known as Syk.

Rat anti Mouse Dectin-1 antibody, clone 2A11 inhibits the binding of zymosan to macrophages via the beta-glucan receptor.

Flow Cytometry

Use 10µl of the suggested working dilution to label 10⁶ cells in 100µl

References

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Storage

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.

Guarantee

12 months from date of despatch

Acknowledgements

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| Health And Safety Information | Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA2289A647 10041 |
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|-------------------|----------------------------|
| Regulatory | For research purposes only |
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Related Products

Recommended Useful Reagents

[MOUSE SEROBLOCK FcR \(BUF041A\)](#)

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

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