

Datasheet: MCA2289A647T

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:	lgG2b
Quantity:	25 TESTS/0.25ml

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 conjugate	ed to Alexa Fluor® 64	7 - liquid	
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm))
	Alexa Fluor®647	650	665	
Buffer Solution	supernatant Phosphate buffered sa	aline		
Preservative	0.09% sodium azide (NaN ₃)		
Stabilisers	1% bovine serum albu	umin		
Approx. Protein Concentrations	IgG concentration 0.0	5 mg/ml		

Immuno	gen
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Dectin-1 transfected NIH3T3 cells and recombinant soluble Dectin-1.

External Database

Links

UniProt:

Q6QLQ4 Related reagents

Entrez Gene:

56644 Clec7a Related reagents

Synonyms

Bgr, Clecsf12, Dectin1

RRID

AB 2081658

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 macropahges 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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Printed on 24 May 2025

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