

Datasheet: MCA2289F BATCH NUMBER 158253

Description:	RAT ANTI MOUSE DECTIN-1:FITC
Specificity:	DECTIN-1
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	2A11
Isotype:	lgG2b
Quantity:	0.1 mg

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 antibody 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 antibody for use in their own system using appropriate negative/positive controls.

Target Species	Mouse		
Product Form	Purified IgG conjug	gated to Fluorescein Isoth	niocyanate Isomer 1
ax Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm
	FITC	490	525
eparation	Purified IgG prepa supernatant	red by affinity chromatog	raphy on Protein G
fer Solution	Phosphate buffere	d saline	
servative	0.09% Sodium Azi	ide	
tabilisers	1% Bovine Ser	um Albumin	
pprox. Protein oncentrations	IgG concentration	0.1 mg/ml	

Immunogen	Dectin-1 transfected NIH3T3 cells and recombinant soluble Dectin-1.
External Database	UniProt:

Q6QLQ4 Related reagents

Entrez Gene:

56644 Clec7a Related reagents

Synonyms Bgr, Clecsf12, Dectin1

RRID AB_324908

Fusion Partners Spleen cells from immunised Fischer rats were fused with cells of the rat Y3 myeloma cell line

Rat anti Mouse Dectin-1 antibody, clone 2A11 recognizes murine beta-glucan receptor, also known as Dectin-1.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 10ul of the suggested working dilution to label 10⁶ cells in 100ul

References

Specificity

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- through Dectin-1 Engagement. J Biol Chem. 286: 7822-9.
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Storage	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA2289F 10041

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