abcam

ab21646

FITC Anti-Dectin-1 antibody [2A11]

Anti-Dectin-1 antibody [2A11] conjugated to FITC - suitable for flow cytometry, and reacts with mouse samples. Clone [2A11] is a rat monoclonal antibody cited in 28 publications.

Design your panel with our interactive flow cytometry panel builder. Click here.

Key facts

Isotype	IgG2b
Host species	Rat
Conjugation	FITC
Excitation/Emission	Ex: 495nm, Em: 519nm
Storage buffer	pH: 7.4 Preservative: 0.09% Sodium azide Constituents: PBS, 1% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Clone number	2A11
Purification technique	Affinity purification Protein G
Concentration	0.1 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

Flow Cyt

Tested

Species	Mouse

Dilution info	10 µL for 10^6 Cells
Notes	Use 10µl for 106 cells in 100µl. ab136125 - Rat monoclonal IgG2b, is suitable for use as an isotype control with this antibody.

Target data

See full target information Clec7a

Function	Lectin that functions as a pattern recognizing receptor (PRR) specific for beta-1,3-linked and beta-1,6-linked glucans, which constitute cell wall constituents from pathogenic bacteria and fungi (PubMed:11544516, PubMed:15213161, PubMed:17159984). Necessary for the TLR2-mediated inflammatory response and activation of NF-kappa-B: upon beta-glucan binding, recruits SYK via its ITAM motif and promotes a signaling cascade that activates some CARD domain-BCL10-MALT1 (CBM) signalosomes, leading to the activation of NF-kappa-B and MAP kinase p38 (MAPK11, MAPK12, MAPK13 and/or MAPK14) pathways which stimulate expression of genes encoding pro-inflammatory cytokines and chemokines (PubMed:12719479, PubMed:15731053, PubMed:16825490, PubMed:32358020). Enhances cytokine production in macrophages and dendritic cells (PubMed:15845454). Mediates production of reactive oxygen species in the cell (PubMed:12719479, PubMed:15731053, PubMed:16825490). Mediates phagocytosis of C.albicans conidia (PubMed:15729357, PubMed:16825490). Binds T-cells in a way that does not involve their surface glycans and plays a role in T-cell activation (PubMed:10779524). Stimulates T-cell proliferation (PubMed:10779524). Induces phosphorylation of SCIMP after binding beta-glucans (PubMed:27288407).

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	+4°C

Notes

This antibody inhibits the binding of zymosan to macrophages via the beta Glucan Receptor.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

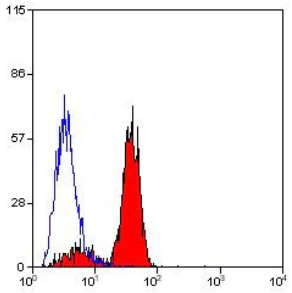
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

1 product image



Flow Cytometry - FITC Anti-Dectin-1 antibody [2A11] (ab21646)

Dectin-1 Flow Cytometry staining using rat Anti-Dectin-1 antibody

Flow cytometry staining of mouse peripheral blood granulocytes with ab21646.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.