Datasheet: MCA2289FA

Description: RAT ANTI MOUSE DECTIN-1:FITC
Specificity: DECTIN-1
Format: FITC
Product Type: Monoclonal Antibody
Clone: 2A11
Isotype: IgG2b
Quantity: 50 µg

RRID: AB_566381

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.

Target Species: Mouse
Product Form: Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid

Max Ex/Em
Fluorophore | Excitation Max (nm) | Emission Max (nm)
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FITC | 490 | 525

Preparation: Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution: Phosphate buffered saline
Preservative Stabilisers: 0.09% Sodium Azide
1% Bovine Serum Albumin

Approx. Protein Concentrations: IgG concentration 0.1 mg/ml
Immunogen: Dectin-1 transfected NIH3T3 cells and recombinant soluble Dectin-1.

External Database Links
UniProt: Q6QLQ4
Related reagents
Fusion Partners

Spleen cells from immunised 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. 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 10^6 cells in 100ul

References


Storage
Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.

Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee
18 months from date of despatch.

Health And Safety Information

Regulatory
For research purposes only

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