Datasheet: MCA2289FB

**Description:** RAT ANTI MOUSE DECTIN-1:FITC

**Specificity:** DECTIN-1

**Format:** FITC

**Product Type:** Monoclonal Antibody

**Clone:** 2A11

**Isotype:** IgG2b

**Quantity:** 0.5 mg

**Target Species**

Mouse

**Product Form**

Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid

**Max Ex/Em**

**Fluorophore** | Excitation (nm) | Emission (nm)
---|---|---
FITC | 490 | 520

**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 0.5 mg/ml

**Immunogen**

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

**External Database Links**

UniProt: [Q6QLQ4](https://www.uniprot.org/uniprot/Q6QLQ4)

Related reagents

Entrez Gene:
Synonyms
Bgr, Clecsf12, Dectin1

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-gluсans 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 10ul of the suggested working dilution to label 10^6 cells in 100ul

References

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.

Shelf Life
18 months from date of despatch

Health And Safety

Regulatory
For research purposes only