

Product datasheet for **SM2025R**

Clec7a Rat Monoclonal Antibody [Clone ID: 2A11]

Product data:

Product Type:	Primary Antibodies
Clone Name:	2A11
Applications:	FC
Recommended Dilution:	Flow Cytometry (Neat -1/10): Use 10 ul of the suggested working dilution to label 10e6 cells in 100 ul.
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Dectin-1 transfected NIH3T3 cells and recombinant soluble Dectin-1. Spleen cells from immunised Fischer rats were fused with cells of the rat Y3 myeloma cell line2
Specificity:	Recognises Murine Beta-Glucan Receptor (Dectin-1). This antibody inhibits the binding of zymosan to macrophages via the beta-glucan receptor. The low endotoxin version SM2025LE is recommended for Functional Studies.
Formulation:	PBS containing 0.09% Sodium Azide as preservative and 1% BSA and 5% sucrose as stabilizers. Label: PE State: Lyophilized purified IgG fraction. Label: R. Phycoerythrin (RPE)
Reconstitution Method:	Restore with 1 ml distilled water
Purification:	Affinity Chromatography on Protein G.
Conjugation:	PE
Storage:	Store the antibody undiluted at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.
Stability:	Shelf life: one year from despatch.



[View online »](#)

Gene Name:	C-type lectin domain family 7, member a
Database Link:	Entrez Gene 56644 Mouse Q6QLQ4
Background:	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. Recent work has shown that Dectin-1 may stimulate reactive oxygen production in macropahges via the protein tyrosine kinase known as Syk.
Synonyms:	Beta-glucan receptor, BGR, CLECSF12, DECTIN1