

# ABflo® 647 Rabbit anti-Mouse CD209b/DC-SIGNR1 mAb

Catalog No.: A26548

## Basic Information

### Observed MW

Refer to figures

### Calculated MW

16kDa/33kDa/36kDa/37kDa

### Category

Primary antibody

### Applications

FC

### Cross-Reactivity

Mouse

### CloneNo number

ARC69315-ABflo647

### Conjugate

ABflo® 647. Ex:648nm. Em:664nm.

## Recommended Dilutions

**FC** 5 µl per 10<sup>6</sup> cells in  
100 µl volume

## Background

CD209B, also known as SIGN-R1, is a mouse C-type lectin receptor predominantly expressed on macrophages in the spleen marginal zone and lymph nodes medulla. CD209B is a mouse homolog of human CD209/DC-SIGN and is involved in innate immune response. CD209B mediates the recognition and uptake of pathogen products, such as lipopolysaccharides (LPS), pneumococcal polysaccharides, and dextrans. CD209B has been demonstrated to facilitate the clearance of encapsulated pneumococcus by directly binding to C1q and activating complement through an immunoglobulin independent pathway.

## Immunogen Information

### Gene ID

69165

### Swiss Prot

Q8CJ91

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 76-325 of mouse CD209b/DC-SIGNR1 (NP\_081248.4).

### Synonyms

OtB7; SIGNR1; mSIGNR1; DC-SIGNR1; 1810030I22Rik

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

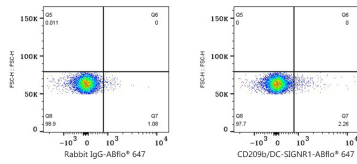
### Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.09% Sodium azide, 0.2% BSA, pH7.3.

## Validation Data

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Flow cytometry:  $1 \times 10^6$  C57BL/6 mouse splenocytes were surface-stained with ABflo® 647 Rabbit IgG isotype control (A22070, 5  $\mu$ l/Test, left) or ABflo® 647 Rabbit anti-Mouse CD209b/DC-SIGNR1 mAb (A26548, 5  $\mu$ l/Test, right).