

## Purified Anti-Mouse CD209b Antibody[22D1]

Catalog Number: GF1022A

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

|              |   |
|--------------|---|
| Reactivity   | Mouse   |
| Immunogen    | Recombinant Mouse CD209b protein  |
| Host         | Armenian Hamster  |
| Isotype      | Armenian Hamster IgG  |
| Clone        | 22D1  |
| Purification | >98%, Protein A/G purified  |
| Conjugation  | Unconjugated  |
| Buffer       | Phosphate-buffered solution, pH 7.2, containing 0.05% non-protein stabilizer.<br>Dialyze to completely remove the stabilizer prior to labeling. |

### Applications

### Recommended Dilution

|     |   |
|-----|---|
| FCM | 2 µg/mL(0.5×10 <sup>6</sup> -1×10 <sup>6</sup> cells) |
|-----|---|

### Preparation & Storage

|          |  |
|----------|--|
| Storage  | Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles. |
| Shipping | Ice bag  |

### 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.