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

Catalog Number: E-AB-F1022B

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

**Description** 

Reactivity Mouse

Host Armenian Hamster
Isotype Armenian Hamster IgG

Clone No. 22D1

Isotype Control Biotin Armenian Hamster IgG Isotype Control[PIP] [Product E-AB-F09853B]

Conjugation Biotin

Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

Applications Recommended usage

FCM Each lot of this antibody is quality control tested by flow cytometric analysis. For flow

cytometric staining, the suggested use of this reagent is  $\leq$  1.0  $\mu$ g per 10<sup>6</sup> cells in 100  $\mu$ L volume or 100  $\mu$ L of whole blood. It is recommended that the reagent be titrated for

optimal performance for each application.

**Preparation & Storage** 

**Storage** Keep as concentrated solution.

This product can be stored at 2-8°C for 12 months. Do not freeze.

Shipping Ice bag

**Antigen Information** 

Alternate Names CD209;CD209 antigen-like protein B;Cd209b;DC-SIGN-related protein 1;DC-SIGNR1;

OtB7

 Uniprot ID
 Q8CJ91

 Gene ID
 69165

**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.