

## Mouse CD209 Monoclonal Antibody | anti-CD209 antibody

MOUSE ANTI HUMAN CD209:Low Endotoxin

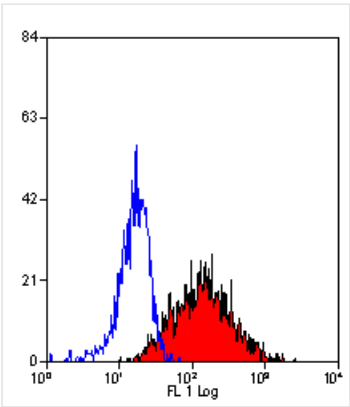
|                              |                      |                                                                                               |
|------------------------------|----------------------|-----------------------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA11906</b> | HOST<br><b>Mouse</b> | APPLICATIONS<br><b>Flow Cytometry, Functional Assay, Functional Assay, Immunofluorescence</b> |
|------------------------------|----------------------|-----------------------------------------------------------------------------------------------|

### PRODUCT SYNONYMS

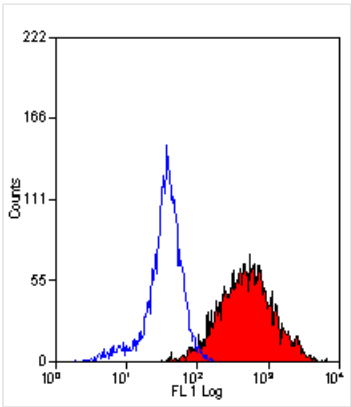
CD209; Monoclonal Antibody; MOUSE ANTI HUMAN CD209:Low Endotoxin; anti-CD209 antibody

### PRODUCT SPECIFICATIONS

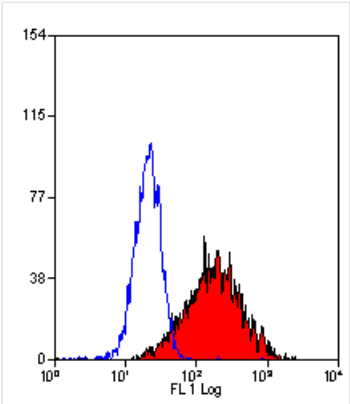
|                                                 |                                                                                                                                                                                                                                                                                                                                       |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Mouse                                                                                                                                                                                                                                                                                                                                 |
| Clonality                                       | Monoclonal                                                                                                                                                                                                                                                                                                                            |
| Isotype                                         | IgG1                                                                                                                                                                                                                                                                                                                                  |
| Clone Number                                    | MR-1                                                                                                                                                                                                                                                                                                                                  |
| Form/Format                                     | Low Endotoxin<br>Purified IgG - liquid                                                                                                                                                                                                                                                                                                |
| Concentration                                   | IgG concentration 1.0 mg/ml (varies by lot)                                                                                                                                                                                                                                                                                           |
| Sequence Length                                 | 297                                                                                                                                                                                                                                                                                                                                   |
| Applicable Applications for anti-CD209 antibody | FCM/FACS (Flow Cytometry), FA (Functional Assay), IF (Immunofluorescence)                                                                                                                                                                                                                                                             |
| Application Notes                               | Flow Cytometry: Use 10ul of the suggested working dilution to label 106 cells in 100ul.                                                                                                                                                                                                                                               |
| Preparation                                     | Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant                                                                                                                                                                                                                                         |
| Endotoxin Level                                 | Level to be determined<br>Buffer Solution                                                                                                                                                                                                                                                                                             |
| Target Species                                  | Human                                                                                                                                                                                                                                                                                                                                 |
| Preparation and Storage                         | Store at -20 degree C only. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.<br>Shelf Life: 18 months from date of despatch. |



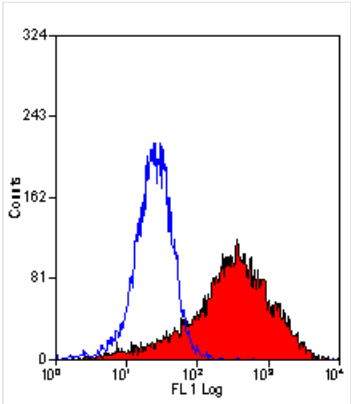
**Application Data**  
Staining of CD209 transfected K562 cells with Mouse anti Human CD209: Biotin



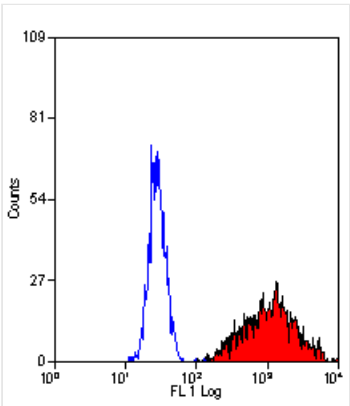
**Application Data**  
Staining of CD209 transfected K562 cells with Mouse anti Human CD209: FITC



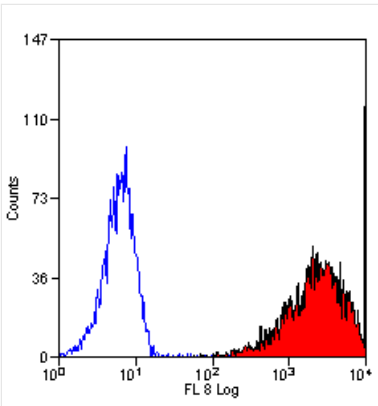
**Application Data**  
Staining of CD209 transfected K562 cells with Mouse anti Human CD209



**Application Data**  
Staining of CD209 transfected K562 cells with Mouse anti Human CD209



**Application Data**  
Staining of CD209 transfected K562 cells with Mouse anti Human CD209: Alexa Fluor 488



**Application Data**  
Staining of CD209 transfected K562 cells with Mouse anti Human CD209: Alexa Fluor 647

ADDITIONAL INFORMATION

Related Product Information for anti-CD209 antibody

Mouse anti Human CD209 antibody, clone MR-1 recognizes human DC-specific ICAM-3 grabbing nonintegrin (DC-SIGN), a 45kD C-type lectin that binds ICAM-3 also known as CD209. CD209 is primarily expressed on a population of immature dendritic cells in peripheral tissues and on immature myeloid monocyte-derived DC's in vitro. CD209 is involved in dendritic cell (DC) migration and the initial interaction between DC's and naive T lymphocytes. CD209 also binds HIV-1 gp120 and plays a key role in the dissemination of HIV-1 by DC's. Clone MR-1 is reported to partially block the functional activity of DC-SIGN (Melero et al.).

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                            |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 223029380                                                                                                                                                                                                                                                                  |
| NCBI GeneID                      | 30835                                                                                                                                                                                                                                                                      |
| NCBI Accession #                 | NP_001138365.1                                                                                                                                                                                                                                                             |
| NCBI GenBank Nucleotide #        | NM_001144893.1                                                                                                                                                                                                                                                             |
| UniProt Accession #              | Q9NNX6; Q2TB19; Q96QP7; Q96QP8; Q96QP9; Q96QQ0; Q96QQ1; Q96QQ2; Q96QQ3; A8KAM4; A8MVQ9; G5E9C4                                                                                                                                                                             |
| Molecular Weight                 | 33,874 Da                                                                                                                                                                                                                                                                  |
| NCBI Official Full Name          | CD209 antigen isoform 5                                                                                                                                                                                                                                                    |
| NCBI Official Synonym Full Names | CD209 molecule                                                                                                                                                                                                                                                             |
| NCBI Official Symbol             | CD209                                                                                                                                                                                                                                                                      |
| NCBI Official Synonym Symbols    | CDSIGN; CLEC4L; DC-SIGN; DC-SIGN1                                                                                                                                                                                                                                          |
| NCBI Protein Information         | CD209 antigen; C-type lectin domain family 4 member L; C-type lectin domain family 4, member L; HIV gpl20-binding protein; dendritic cell-specific ICAM-3-grabbing non-integrin 1; dendritic cell-specific intracellular adhesion molecules (ICAM)-3 grabbing non-integrin |
| UniProt Protein Name             | CD209 antigen                                                                                                                                                                                                                                                              |
| UniProt Gene Name                | CD209                                                                                                                                                                                                                                                                      |
| UniProt Synonym Gene Names       | CLEC4L; DC-SIGN; DC-SIGN1                                                                                                                                                                                                                                                  |
| UniProt Entry Name               | CD209_HUMAN                                                                                                                                                                                                                                                                |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd209-antibody-clone-mr-1-flow-cytometry-functional-assay-immunofluorescence-elisa/11906>