Datasheet: MCA2318

Description: MOUSE ANTI HUMAN CD209
Specificity: CD209
Other names: DC-SIGN
Format: Purified
Product Type: Monoclonal Antibody
Clone: MR-1
Isotype: IgG1
Quantity: 0.2 mg

Product Details

Applications

<table>
<thead>
<tr>
<th>Applications</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Cytometry</td>
<td></td>
<td></td>
<td></td>
<td>1/50 - 1/100</td>
</tr>
<tr>
<td>Immunohistology - Frozen</td>
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<tr>
<td>Immunohistology - Paraffin</td>
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<tr>
<td>ELISA</td>
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<tr>
<td>Immunoprecipitation</td>
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<tr>
<td>Western Blotting</td>
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<tr>
<td>Immunofluorescence</td>
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</tbody>
</table>

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species  Human

Product Form  Purified IgG - liquid

Preparation  Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant

Buffer Solution  Phosphate buffered saline

Preservative Stabilisers  0.09% sodium azide (NaN₃)
<table>
<thead>
<tr>
<th><strong>Carrier Free</strong></th>
<th>Yes</th>
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</thead>
<tbody>
<tr>
<td><strong>Approx. Protein Concentrations</strong></td>
<td>IgG concentration 1.0 mg/ml</td>
</tr>
<tr>
<td><strong>Immunogen</strong></td>
<td>Immature myeloid monocyte-derived dendritic cells (MDDCs).</td>
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<tr>
<td><strong>External Database Links</strong></td>
<td>UniProt: <a href="https://www.uniprot.org/uniprot/Q9NNX6">Q9NNX6</a> Related reagents</td>
</tr>
<tr>
<td></td>
<td>Entrez Gene: 30835 CD209 Related reagents</td>
</tr>
<tr>
<td><strong>Synonyms</strong></td>
<td>CLEC4L</td>
</tr>
<tr>
<td><strong>RRID</strong></td>
<td>AB_566637</td>
</tr>
<tr>
<td><strong>Fusion Partners</strong></td>
<td>Spleen cells from immunized Balb/c mice were fused with cells of the Mouse SP2/0-Ag14 myeloma cell line.</td>
</tr>
<tr>
<td><strong>Specificity</strong></td>
<td><strong>Mouse anti Human CD209 antibody, clone MR-1</strong> recognizes human DC-specific ICAM-3 grabbing nonintegrin (DC-SIGN), a ~45 kDa 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 <em>in vitro</em>. 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. Mouse anti Human CD209 antibody, clone MR-1 is reported to partially block the functional activity of DC-SIGN (<a href="https://doi.org/10.1093/jnci/dkj115">Melero et al.</a>).</td>
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<tr>
<td><strong>Flow Cytometry</strong></td>
<td>Use 10μl of the suggested working dilution to label 10^6 cells in 100μl</td>
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</tbody>
</table>


**Storage**

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

**Guarantee**

12 months from date of despatch

**Health And Safety Information**

Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA2318 10040

**Regulatory**

For research purposes only

**Related Products**

**Recommended Secondary Antibodies**

- Rabbit Anti Mouse IgG (STAR12...) **RPE**
- Goat Anti Mouse IgG IgA IgM (STAR87...) Alk. Phos., HRP
- Goat Anti Mouse IgG (STAR76...) **RPE**
- Rabbit Anti Mouse IgG (STAR13...) **HRP**
- Goat Anti Mouse IgG (STAR70...) **FITC**
- Goat Anti Mouse IgG (H/L) (STAR117...) Alk. Phos., DyLight®488, DyLight®550, DyLight®650, DyLight®680, DyLight®800, FITC, HRP
- Goat Anti Mouse IgG (Fc) (STAR120...) **FITC**, HRP
- Goat Anti Mouse IgG (STAR77...) **HRP**
- Rabbit Anti Mouse IgG (STAR9...) **FITC**

**Recommended Negative Controls**

- MOUSE IgG1 NEGATIVE CONTROL (MCA928)