### Datasheet: MCA1649G

<table>
<thead>
<tr>
<th>Description</th>
<th>MOUSE ANTI BOVINE CD62L</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Specificity:</strong></td>
<td>CD62L</td>
</tr>
<tr>
<td><strong>Other names:</strong></td>
<td>LECAM-1, L-SELECTIN</td>
</tr>
<tr>
<td><strong>Format:</strong></td>
<td>Purified</td>
</tr>
<tr>
<td><strong>Product Type:</strong></td>
<td>Monoclonal Antibody</td>
</tr>
<tr>
<td><strong>Clone:</strong></td>
<td>CC32</td>
</tr>
<tr>
<td><strong>Isotype:</strong></td>
<td>IgG1</td>
</tr>
<tr>
<td><strong>Quantity:</strong></td>
<td>0.25 mg</td>
</tr>
</tbody>
</table>

### Product Details

<table>
<thead>
<tr>
<th>RRID</th>
<th>AB_905969</th>
</tr>
</thead>
</table>

#### Applications

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).

<table>
<thead>
<tr>
<th>Method</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>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Immunohistology - Paraffin</td>
<td></td>
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<tr>
<td>ELISA</td>
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</tr>
<tr>
<td>Immunoprecipitation</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Western Blotting</td>
<td></td>
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</tbody>
</table>

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

#### Target Species

| Species Cross Reactivity | Bovine
|--------------------------|-------------------------------------------------|

Reacts with: Sheep

**N.B.** Antibody reactivity and working conditions may vary between species.

#### Product Form

<table>
<thead>
<tr>
<th>Product Form</th>
<th>Purified IgG - liquid</th>
</tr>
</thead>
</table>

#### Preparation

<table>
<thead>
<tr>
<th>Preparation</th>
<th>Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant</th>
</tr>
</thead>
</table>

#### Buffer Solution

<table>
<thead>
<tr>
<th>Buffer Solution</th>
<th>Phosphate buffered saline</th>
</tr>
</thead>
</table>

#### Preservative Stabilisers

<table>
<thead>
<tr>
<th>Preservative Stabilisers</th>
<th>0.09% Sodium Azide</th>
</tr>
</thead>
</table>

#### Carrier Free

<table>
<thead>
<tr>
<th>Carrier Free</th>
<th>Yes</th>
</tr>
</thead>
</table>
Approx. Protein Concentrations
IgG concentration 1.0 mg/ml

Immunogen
Bovine lymphocytes

External Database Links
UniProt:
P98131 Related reagents

Entrez Gene:
281485 SELL Related reagents

Fusion Partners
Spleen cells from immunised BALB/c mice were fused with cells of the NS1 myeloma cell line.

Specificity
Mouse anti Bovine CD62L antibody, clone CC32 recognizes bovine L-selectin, also known as CD62L, Leukocyte-endothelial cell adhesion molecule 1, LECAM-1 or Lymph node homing receptor. Bovine CD62L is a 370 amino acid ~90 kDa, single pass type I transmembrane glycoprotein bearing a single C-type lectin domain, an EGF-like domain and two Sushi domains (UniProt: P98131).

Immunoprecipitation of peripheral blood mononuclear cell lysates with Mouse anti Bovine CD62L antibody, clone CC32 reveals a molecule of ~90 kDa when run on polyacrylamide gels under reducing conditions, slightly larger than the murine and human CD62L homologues. Bovine CD62L is expressed on subpopulations of T-lymphocytes expressing CD2, CD4 and CD8. WC1 positive γδ T cells also express CD62L as do a subpopulation of WC3+ve B-lymphocytes and all peripheral blood monocytes (Howard et al. 1992).

Mouse anti Bovine CD62L antibody, clone CC32 has also been used successfully for the identification of CD62L on ovine peripheral blood cells by flow cytometry (Halliday et al. 2005).

Flow Cytometry
Use 10ul of the suggested working dilution to label 10^6 cells in 100ul.

References

Storage
Store at +4°C or at -20°C if preferred.

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.

Guarantee
18 months from date of despatch.

Health And Safety Information

Regulatory
For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...) Alk. Phos., HRP
Goat Anti Mouse IgG (STAR77...) HRP
Rabbit Anti Mouse IgG (STAR12...) RPE
Rabbit Anti Mouse IgG (STAR8...) DyLight®800
Rabbit Anti Mouse IgG (STAR13...) HRP
Goat Anti Mouse IgG (STAR76...) RPE
Goat Anti Mouse IgG (STAR70...) FITC
Goat Anti Mouse IgG (Fc) (STAR120...) FITC, HRP
Rabbit Anti Mouse IgG (STAR9...) FITC
Goat Anti Mouse IgG (H/L) (STAR117...) Alk. Phos., DyLight®488, DyLight®680, DyLight®800, FITC, HRP

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL (MCA928)