**Datasheet: MCA4701**

<table>
<thead>
<tr>
<th><strong>Description:</strong></th>
<th>HAMSTER ANTI MOUSE CD27</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Specificity:</strong></td>
<td>CD27</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>LG.3A10</td>
</tr>
<tr>
<td><strong>Isotype:</strong></td>
<td>IgG</td>
</tr>
<tr>
<td><strong>Quantity:</strong></td>
<td>0.25 mg</td>
</tr>
</tbody>
</table>

**Product Details**

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.

<table>
<thead>
<tr>
<th>Application</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>1/10 - 1/20</td>
</tr>
<tr>
<td>Immunohistology - Frozen</td>
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<tr>
<td>Immunohistology - Paraffin</td>
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<td>ELISA</td>
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<td>Immunoprecipitation</td>
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<tr>
<td>Western Blotting</td>
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</tbody>
</table>

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**

Mouse

**Species Cross Reactivity**

Reacts with: Human, Rat

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

**Product Form**

Purified IgG - liquid

**Preparation**

Purified IgG prepared by affinity chromatography

**Buffer Solution**

Phosphate buffered saline

**Preservative Stabilisers**

0.09% Sodium Azide (NaN₃)

**Approx. Protein Concentrations**

IgG concentration 0.5mg/ml

**Immunogen**

Armenian hamster fibroblast line ARHO12 transfected with mouse CD27 cDNA.
**External Database Links**

- UniProt: P41272, Related reagents
- P26842, Related reagents
- Q501W2, Related reagents

**Entrez Gene:**

- 21940, Cd27, Related reagents
- 939, CD27, Related reagents

**Synonyms:** Tnrsf7, TNFRSF7

**Specificity:**

Hamster anti Mouse CD27 antibody, clone LG.3A10 recognizes mouse, rat and human CD27, a member of the tumour necrosis factor receptor superfamily. It is expressed in the thymus and spleen, but not in non-lymphoid tissues. CD27 acts as a ligand for CD70, which is expressed in T and B cells, and acts as a costimulatory signal in lymphocyte proliferation and immunoglobulin production.

CD27 lacks a death domain in its short cytoplasmic tail, but can induce apoptosis by binding with the apoptosis regulatory protein Siva (also known as CD27-binding protein).

**Flow Cytometry**

Use 10ul of the suggested working dilution to label 1x10^6 cells in 100ul.

**References**


**Storage**

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

**Shelf Life**

18 months from date of despatch.

**Health And Safety Information**


**Regulatory**

For research purposes only

**Recommended Products**

**Recommended Secondary Antibodies**

- Goat Anti Hamster IgG (STAR104...) DyLight@549, DyLight@649, DyLight@800, FITC
- Goat Anti Hamster IgG (STAR79...) Biotin, FITC, HRP

**Recommended Negative Controls**

HAMSTER (ARMENIAN) IgG NEGATIVE CONTROL (MCA2356)