

## Datasheet: MCA4701PE

<b>Description:</b>	HAMSTER ANTI MOUSE CD27:RPE
<b>Specificity:</b>	CD27
<b>Format:</b>	RPE
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	LG.3A10
<b>Isotype:</b>	IgG
<b>Quantity:</b>	0.1 mg

## Product Details

### 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).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	■			1/5 - 1/20

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.

<b>Target Species</b>	Mouse						
<b>Species Cross Reactivity</b>	Reacts with: Human, Rat <b>N.B.</b> Antibody reactivity and working conditions may vary between species.						
<b>Product Form</b>	Purified IgG conjugated to R. Phycoerythrin (RPE) - liquid						
<b>Max Ex/Em</b>	<table border="1"> <thead> <tr> <th>Fluorophore</th> <th>Excitation Max (nm)</th> <th>Emission Max (nm)</th> </tr> </thead> <tbody> <tr> <td>RPE 488nm laser</td> <td>496</td> <td>578</td> </tr> </tbody> </table>	Fluorophore	Excitation Max (nm)	Emission Max (nm)	RPE 488nm laser	496	578
Fluorophore	Excitation Max (nm)	Emission Max (nm)					
RPE 488nm laser	496	578					
<b>Preparation</b>	Purified IgG prepared by affinity chromatography						
<b>Buffer Solution</b>	Phosphate buffered saline						
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )						
<b>Approx. Protein Concentrations</b>	IgG concentration 0.2mg/ml						
<b>Immunogen</b>	Armenian hamster fibroblast line ARHO12 transfected with mouse CD27 cDNA.						
<b>External Database Links</b>	<b>UniProt:</b>						

[P41272](#) [Related reagents](#)

[P26842](#) [Related reagents](#)

[Q501W2](#) [Related reagents](#)

**Entrez Gene:**

[21940](#) Cd27 [Related reagents](#)

[939](#) CD27 [Related reagents](#)

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**Synonyms** Tnfrsf7, TNFRSF7

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**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).

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**Flow Cytometry** Use 10ul of the suggested working dilution to label  $1 \times 10^6$  cells in 100ul.

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**References** 1. Gravestein, L.A. *et al.* (1995) Novel mAbs reveal potent co-stimulatory activity of murine CD27. [Int Immunol. 7: 551-7.](#)

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**Storage** Store at +4°C. DO NOT FREEZE.  
This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Shelf Life** 18 months from date of despatch.

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**Health And Safety Information** Material Safety Datasheet documentation #10040 available at: 10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

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**Regulatory** For research purposes only

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## Related Products

### Recommended Negative Controls

[HAMSTER \(ARMENIAN\) IgG NEGATIVE CONTROL:RPE \(MCA2356PE\)](#)

### Recommended Useful Reagents

[MOUSE SEROBLOCK FcR \(BUF041A\)](#)

[MOUSE SEROBLOCK FcR \(BUF041B\)](#)

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