

Datasheet: MCA4701B

Description:	HAMSTER ANTI MOUSE CD27:Biotin
Specificity:	CD27
Format:	Biotin
Product Type:	Monoclonal Antibody
Clone:	LG.3A10
Isotype:	IgG
Quantity:	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.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			1/20 - 1/50
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation	▪			
Western Blotting			▪	

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 conjugated to Biotin - liquid
Preparation	Purified IgG prepared by affinity chromatography
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
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 Tnfrsf7, 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 1×10^6 cells in 100ul.

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

Storage Store at +4°C. DO NOT FREEZE.
This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life 18 months from date of despatch.

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

Regulatory For research purposes only

Related Products

Recommended Useful Reagents

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

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

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