

## Product Datasheet

### Anti-CD27 [LG.3A10] (orb613905)

<b>Catalog Number</b>	orb613905
<b>Category</b>	Antibodies
<b>Description</b>	Rabbit monoclonal antibody to CD27
<b>Target</b>	CD27
<b>Clonality</b>	Monoclonal
<b>Species/Host</b>	Hamster
<b>Isotype</b>	Hamster IgG
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human, Mouse, Rat
<b>Concentration</b>	1 mg/ml
<b>Buffer/Preservatives</b>	PBS with 0.02% Proclin 300.
<b>Purity</b>	Purified
<b>Immunogen</b>	This antibody was produced by injecting Armenian hamsters intraperitoneally with a mixture of two murine CD27 tag-expressing Armenian hamster fibroblast clones (AR0524 and AR0530) in Freund's adjuvant
<b>UniProt ID</b>	<b>P41272</b>
<b>Tested applications</b>	FC, IF, IP
<b>Specificity</b>	This antibody is specific for mouse CD27, which, as in the human system, is largely restricted to cells of the T cell lineage, and is expressed on the great majority of both $\alpha\beta$ and $\gamma\delta$ T lymphocytes, and thymocytes.

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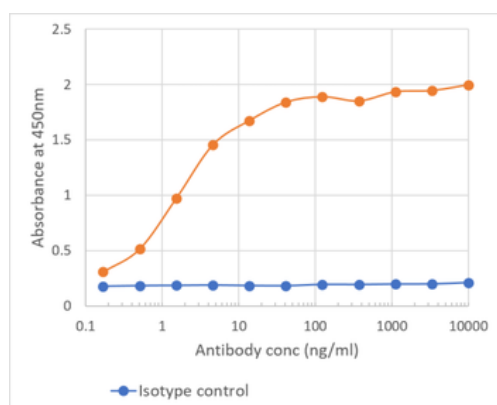
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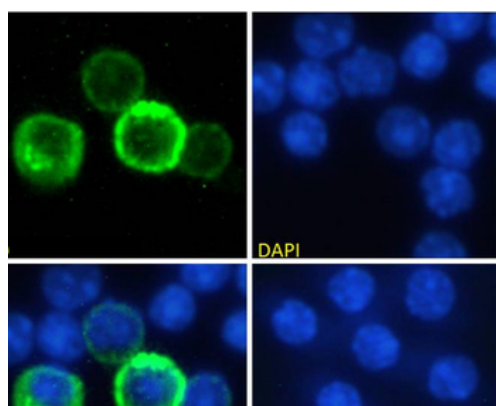
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<b>Clone Number</b>	LG.3A10
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.



Binding curve of anti-CD27 antibody LG.3A10 (orb613905) to mouse CD27-Fc fusion protein ELISA Plate coated with mouse CD27-Fc fusion protein at a concentration of 5 µg/ml. A 3-fold serial dilution from 10000 to 0.1 ng/ml was performed using orb613905. For detection, a 1:4000 dilution of HRP-labelled goat anti-rabbit antibody was used.



Immunofluorescence staining of fixed mouse splenocytes with anti-CD27 antibody LG.3A10. Immunofluorescence analysis of paraformaldehyde fixed mouse (*Mus musculus*) splenocytes on Shi-fix™ coverslips, permeabilized with 0.15% Triton stained with the chimeric rabbit version of LG.3A10 (orb613905) at 10 µg/ml for 1h followed by Alexa Fluor® 488 secondary antibody (1 µg/ml), showing membrane and some cytoplasmic staining in a subset of cells. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom orb613905, DAPI, merged channels and an isotype control. The isotype control was stained with an anti-Fluorescein antibody followed by Alexa Fluor® 488 secondary antibody.

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