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Datasheet for ABIN7072375

## Recombinant anti-CD27 antibody

### 2 Images

#### Overview

|                |  |
|----------------|--|
| Quantity:      | 200 µg   |
| Target:        | CD27   |
| Reactivity:    | Human, Mouse, Rat  |
| Host:          | Rabbit   |
| Antibody Type: | Recombinant Antibody   |
| Clonality:     | Chimeric   |
| Conjugate:     | This CD27 antibody is un-conjugated  |
| Application:   | Flow Cytometry (FACS), Immunofluorescence (IF), Immunoprecipitation (IP), Activation (Act) |

#### Product Details

|                   |  |
|-------------------|--|
| Immunogen:        | 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 |
| Clone:            | LG-3A10  |
| Isotype:          | IgG kappa  |
| Cross-Reactivity: | Human, Rat   |
| Characteristics:  | Original Species of Ab: Hamster, Armenian<br>Original Format of Ab: IgG  |
| Purification:     | Purified antibody.   |

## Target Details

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|                   |   |
|-------------------|---|
| Target:           | CD27  |
| Alternative Name: | CD27 ( <a href="#">CD27 Products</a> )  |
| Background:       | TNFRS7, CD27L receptor, T-cell activation antigen CD27, Tumor necrosis factor receptor superfamily member 7     |
| UniProt:          | <a href="#">P41272</a>  |
| Pathways:         | <a href="#">Production of Molecular Mediator of Immune Response</a> , <a href="#">Cancer Immune Checkpoints</a> |

## Application Details

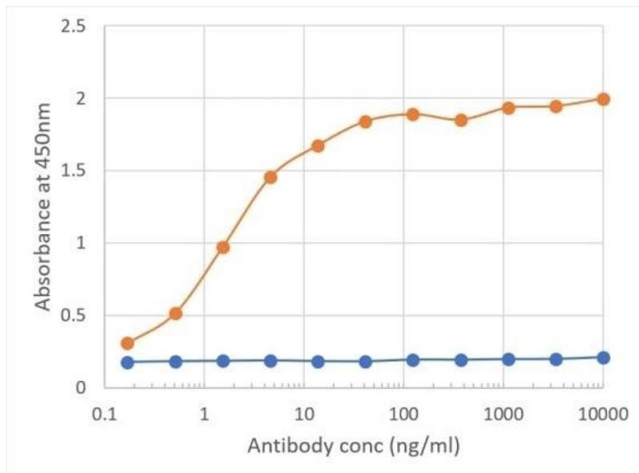
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|                    |  |
|--------------------|--|
| Application Notes: | Optimal working dilution should be determined by the investigator.   |
| Comment:           | This chimeric rabbit antibody was made using the variable domain sequences of the original Hamster IgG format, for improved compatibility with existing reagents, assays and techniques. |
| Restrictions:      | For Research Use only  |

## Handling

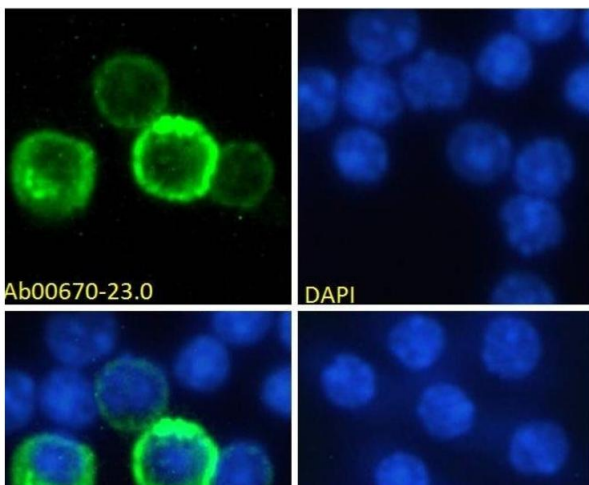
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|                    |   |
|--------------------|---|
| Buffer:            | PBS with 0.02 % Proclin 300.  |
| Preservative:      | ProClin   |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage:           | 4 °C, -20 °C  |
| Storage Comment:   | Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.                                  |



## ELISA

**Image 1.** Binding curve of anti-CD27 antibody LG.3A10 (ABIN7072375) to mouse CD27-Fc fusion protein ELISA Plate coated with mouse CD27-Fc fusion protein (Pr00160-1.9) at a concentration of 5 µg/mL. A 3-fold serial dilution from 10,000 to 0.1 ng/mL was performed using ABIN7072375. For detection, a 1:4000 dilution of HRP-labelled goat anti-rabbit antibody (Bio-Rad) was used.



## Immunofluorescence

**Image 2.** 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 (ABIN7072375) 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 ABIN7072375, DAPI, merged channels and an isotype control. The isotype control was stained with an anti-Fluorescein antibody followed by Alexa Fluor®488 secondary antibody.