



Datasheet: MCA755SBV670

BATCH NUMBER 100004991

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| Description: | MOUSE ANTI HUMAN CD27:StarBright Violet 670 |
| Specificity: | CD27 |
| Format: | StarBright Violet 670 |
| Product Type: | Monoclonal Antibody |
| Clone: | LT27 |
| Isotype: | IgG2a |
| Quantity: | 100 TESTS/0.5ml |

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 | ▪ | | | Neat |

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 Human

Species Cross Reactivity Reacts with: Cynomolgus monkey, Rhesus Monkey, Sheep
N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form Purified IgG conjugated to StarBright Violet 670 - liquid

| Max Ex/Em | Fluorophore | Excitation Max (nm) | Emission Max (nm) |
|-----------|-----------------------|---------------------|-------------------|
| | StarBright Violet 670 | 400 | 667 |

Preparation Purified IgG prepared by ion exchange chromatography

Buffer Solution Phosphate buffered saline

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|--------------------------------|---|
| Preservative | 0.09% Sodium Azide (NaN ₃) |
| Stabilisers | 1% Bovine Serum Albumin 0.1% Pluronic F68 0.1% PEG 3350 0.05% Tween 20 |
| Immunogen | Normal human blood lymphocytes. |
| External Database Links | <p>UniProt: P26842 Related reagents</p> <p>Entrez Gene: 939 CD27 Related reagents</p> |
| Synonyms | TNFRSF7 |
| Fusion Partners | Spleen cells from immunized mice were fused with cells of the P3. X 63-Ag8-653 mouse myeloma cell line. |
| Specificity | <p>Mouse anti human CD27, clone LT27, recognizes the human T-cell activation antigen, CD27. This antigen is expressed on activated T lymphocytes and belongs to a family of proteins associated with the nerve growth factor receptor. CD27 is expressed by thymocytes and peripheral T cells and also by EBV transformed B cell lines.</p> <p>Mouse anti human CD27, clone LT27 precipitates a ~55 kDa protein under reducing conditions or a ~120 kDa protein under non-reducing conditions.</p> |
| Flow Cytometry | Use 5ul of the suggested working dilution to label 10 ⁶ cells in 100ul. Best practices suggest a 5 minutes centrifugation at 6,000g prior to sample application. |
| References | <ol style="list-style-type: none"> 1. Ravoet, A.M. <i>et al.</i> (1989) CD25 mAb: epitopes recognised, effect on lymphocyte activation, mediation of ADCC in Leucocyte Typing IV: White Cell Differentiation Antigens Eds Knapp, W. <i>et al.</i> Oxford University Press pp 408-411. 2. Boxall, S. <i>et al.</i> (2004) Abnormal cell surface antigen expression in individuals with variant CD45 splicing and histiocytosis. Pediatr Res. 55 (3): 478-84. 3. Griebel, P.J. <i>et al.</i> (2007) Cross-reactivity of mAbs to human CD antigens with sheep leukocytes. Vet Immunol Immunopathol. 119: 115-22. 4. Becker, P.D. <i>et al.</i> (2010) Generation of Human Antigen-Specific Monoclonal IgM Antibodies Using Vaccinated "Human Immune System" Mice PLoS One. 5(10). pii: e13137. 5. van Zelm, M.C. <i>et al.</i> (2007) Replication history of B lymphocytes reveals homeostatic proliferation and extensive antigen-induced B cell expansion. J Exp Med. 204: 645-55. 6. Steger, B. <i>et al.</i> (2014) CD4(+)and CD8(+)T-cell reactions against leukemia-associated- or minor-histocompatibility-antigens in AML-patients after allogeneic SCT. Immunobiology. 219 (4): 247-60. |
| Storage | Store at +4°C. DO NOT FREEZE. |

This product should be stored undiluted.

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| Guarantee | 12 months from date of despatch |
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| Acknowledgements | This product is covered by U.S. Patent No. 10,150,841 and related U.S. and foreign counterparts |
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| Health And Safety Information | Material Safety Datasheet documentation #20471 available at: https://www.bio-rad-antibodies.com/SDS/MCA755SBV670 20471 |
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| Regulatory | For research purposes only |
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Related Products

Recommended Useful Reagents

[HUMAN SEROBLOCK \(BUF070A\)](#)

[HUMAN SEROBLOCK \(BUF070B\)](#)

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|----------------------------------|---|------------------|---|---------------|---|
| North & South America | Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com | Worldwide | Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com | Europe | Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com |
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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)
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