

## Datasheet: MCA755SBR715

<b>Description:</b>	MOUSE ANTI HUMAN CD27:StarBright Red 715
<b>Specificity:</b>	CD27
<b>Format:</b>	StarBright Red 715
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	LT27
<b>Isotype:</b>	IgG2a
<b>Quantity:</b>	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](http://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 Red 715 - liquid

Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	StarBright Red 715	638	712

#### Preparation

Purified IgG prepared by affinity chromatography on DEAE from ascites

#### Buffer Solution

Phosphate buffered saline

#### Preservative Stabilisers

0.09% Sodium Azide (NaN<sub>3</sub>)

1% Bovine Serum Albumin  
0.1% Pluronic F68  
0.1% PEG 3350  
0.05% Tween 20

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<b>Approx. Protein Concentrations</b>	For information on the concentration of our StarBright Dye conjugated reagents please visit our <a href="#">FAQ</a> page.
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<b>Immunogen</b>	Normal human blood lymphocytes.
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<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P26842</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b> <a href="#">939</a> CD27 <a href="#">Related reagents</a>
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<b>Synonyms</b>	TNFRSF7
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<b>Fusion Partners</b>	Spleen cells from immunized mice were fused with cells of the P3. X 63-Ag8-653 mouse myeloma cell line.
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<b>Specificity</b>	<p><b>Mouse anti human CD27, clone LT27</b>, 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>
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<b>Flow Cytometry</b>	Use 5µl of the suggested working dilution to label 10 <sup>6</sup> cells in 100µl. Best practices suggest a 5 minutes centrifugation at 6,000g prior to sample application.
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<b>References</b>	<ol style="list-style-type: none"><li>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.</li><li>2. Boxall, S. <i>et al.</i> (2004) Abnormal cell surface antigen expression in individuals with variant CD45 splicing and histiocytosis. <a href="#">Pediatr Res. 55 (3): 478-84.</a></li><li>3. Griebel, P.J. <i>et al.</i> (2007) Cross-reactivity of mAbs to human CD antigens with sheep leukocytes. <a href="#">Vet Immunol Immunopathol. 119: 115-22.</a></li><li>4. Becker, P.D. <i>et al.</i> (2010) Generation of Human Antigen-Specific Monoclonal IgM Antibodies Using Vaccinated "Human Immune System" Mice <a href="#">PLoS One. 5(10). pii: e13137.</a></li><li>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. <a href="#">J Exp Med. 204: 645-55.</a></li><li>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. <a href="#">Immunobiology. 219 (4): 247-60.</a></li></ol>
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<b>Storage</b>	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted.
<b>Guarantee</b>	12 months from date of despatch
<b>Acknowledgements</b>	This product is covered by U.S. Patent No. 10,150,841 and related U.S. and foreign counterparts
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #20471 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA755SBR715">https://www.bio-rad-antibodies.com/SDS/MCA755SBR715</a> 20471
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Useful Reagents

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

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

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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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://bio-rad-antibodies.com/datasheets)  
'M437471:250314'

Printed on 14 Mar 2025