

Datasheet: MCA755XZ

Description:	MOUSE ANTI HUMAN CD27:Preservative Free
Specificity:	CD27
Format:	Preservative Free
Product Type:	Monoclonal Antibody
Clone:	LT27
Isotype:	IgG2a
Quantity:	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	■			1/100
Immunohistology - Frozen			■	
Immunohistology - Paraffin			■	
ELISA			■	
Immunoprecipitation	■			
Western Blotting			■	

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. It is recommended that the user titrates the antibody 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.
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by ion exchange chromatography
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Normal human blood lymphocytes.
External Database	UniProt:

Links

[P26842](#)

[Related reagents](#)

Entrez Gene:

[939](#)

CD27

[Related reagents](#)

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	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. Mouse anti human CD27, clone LT27 precipitates a ~55 kDa protein under reducing conditions or a ~120 kDa protein under non-reducing conditions.
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul.
References	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 -20°C only. This product should be stored undiluted. Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. 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 #10162 available at: 10162: https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®549 , DyLight®649 , DyLight®680 , DyLight®800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR70...)	FITC
Human Anti Mouse IgG2a (HCA037...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP

Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

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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