Datasheet: MCA755GA

BATCH NUMBER 160583

Description:	MOUSE ANTI HUMAN CD27
Specificity:	CD27
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	LT27
Isotype:	IgG2a
Quantity:	0.1 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	▪			1/50 - 1/100
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation	▪			
Western Blotting			▪	

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 - liquid

Preparation

Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant

Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Normal human blood lymphocytes.
External Database Links	**UniProt:** 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. *et al*. (1989) CD25 mAb: epitopes recognised, effect on lymphocyte activation, mediation of ADCC in Leucocyte Typing IV: White Cell Differentiation Antigens Eds Knapp, W. *et al.* Oxford University Press pp 408-411. 2. Boxall, S. *et al.* (2004) Abnormal cell surface antigen expression in individuals with variant CD45 splicing and histiocytosis. Pediatr Res. 55 (3): 478-84. 3. Griebel, P.J. *et al.* (2007) Cross-reactivity of mAbs to human CD antigens with sheep leukocytes. Vet Immunol Immunopathol. 119: 115-22. 4. Becker, P.D. *et al.* (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. *et al.* (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. *et al.* (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	This product is shipped at ambient temperature. It is recommended to aliquot and store at

	-20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C. Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA755GA 10040
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos., DyLight®488, DyLight®550, DyLight®650, DyLight®680, DyLight®800, FITC, HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	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

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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