

Datasheet: MCA800GA

BATCH NUMBER 159119

Description:	MOUSE ANTI RABBIT T LYMPHOCYTES
Specificity:	T LYMPHOCYTES
Other names:	CD5-LIKE
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	KEN-5
Isotype:	IgG1
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 - 1/200
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	Rabbit
Species Cross Reactivity	Does not react with:Mouse
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 (NaN ₃)
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Rabbit Thymocytes
Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the PAI mouse myeloma cell line
Specificity	<p>Mouse anti Rabbit T lymphocytes, clone KEN-5, recognizes rabbit (lapine) T-cells. Clone KEN-5 recognizes >90% thymocytes and approximately 40-45% mesenteric lymph node cells and immunoprecipitates a ~67 kDa protein from rabbit thymocytes.</p> <p>In contrast to humans and mice where only a very small population of B-cells express the CD5 antigen, in rabbits it is widely expressed by peripheral blood B cells. However, the KEN-5 antibody, while originally reported as recognizing rabbit CD5 (Kotani et al. 1993), does not bind to rabbit CD5 transfectants. Furthermore, clone KEN-5, unlike other known antibodies recognizing rabbit CD5 and anti human cross reactive CD5 antibodies, shows very limited binding to rabbit B-cells, which in adult rabbits express CD5 (Raman & Knight 1992) Clone KEN-5 may recognize an epitope that is dependant on glycosylation to maintain its structural configuration which may explain why this antibody does not recognize recombinant rabbit CD5 produced in insect cells which contain different glycans from those found in mammalian cells. KEN-5 may distinguish between different isoforms of CD5 in lapine T and B cells (Pospisil et al. 2009).</p>
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul.
References	<ol style="list-style-type: none"> 1. Kotani, M. <i>et al.</i> (1993) Generation and characterization of monoclonal antibodies against rabbit CD4, CD5 and CD11a antigens. J Immunol Methods. 157 (1-2): 241-52. 2. Raman, C. & Knight, K.L. (1992) CD5+ B cells predominate in peripheral tissues of rabbit. J Immunol. 149 (12): 3858-64. 3. Dewals, B. <i>et al.</i> (2008) Malignant catarrhal fever induced by alcelaphine herpesvirus 1 is associated with proliferation of CD8+ T cells supporting a latent infection. PLoS One. 3 (2): e1627. 4. Guerrero, I. <i>et al.</i> (2010) Evolution of the peripheral blood lymphocyte populations in multiparous rabbit does with two reproductive management rhythms. Vet Immunol Immunopathol. 140: 75-81. 5. Gillet, L. <i>et al.</i> (2009) Anchoring tick salivary anti-complement proteins IRAC I and IRAC II to membrane increases their immunogenicity. Vet Res. 40: 51. 6. Matsumura, T. <i>et al.</i> (1999) Suppression of atherosclerotic development in Watanabe heritable hyperlipidemic rabbits treated with an oral antiallergic drug, tranilast. Circulation. 99 (7): 919-24. 7. Hoefler, I.E. <i>et al.</i> (2005) Leukocyte subpopulations and arteriogenesis: specific role of monocytes, lymphocytes and granulocytes. Atherosclerosis. 181 (2): 285-93.

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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/MCA800GA>
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](#)

Rabbit Anti Mouse IgG (STAR13...) [HRP](#)
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)
Goat Anti Mouse IgG (STAR77...) [HRP](#)
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®550](#),
[DyLight®650](#), [DyLight®680](#), [DyLight®800](#),
[FITC](#), [HRP](#)

Recommended Useful Reagents

[MOUSE ANTI HUMAN CD79a \(MCA2538GA\)](#)

[RAT ANTI HUMAN CD3 \(MCA1477\)](#)

[MOUSE ANTI HUMAN CD14 \(MCA1568GA\)](#)

[MOUSE ANTI RABBIT CD4 \(MCA799GA\)](#)

[MOUSE ANTI RABBIT CD45 \(MCA808GA\)](#)

[MOUSE ANTI RABBIT CD8 \(MCA1576GA\)](#)

North & South Tel: +1 800 265 7376

America 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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