

Monoclonal Antibody to T Cells / Thymocytes - Purified

Alternate names:	T Lymphocytes, T-Cells, T-lymphocytes
Catalog No.:	SM612P
Quantity:	0.25 mg
Host / Isotype:	Mouse / IgG1
Recommended Isotype Controls:	AM03095PU-N
Clone:	KEN-5
Immunogen:	Rabbit Thymocytes. Spleen cells from immunised BALB/c mice were fused with cells of the mouse PA1 myeloma cell line.
Format:	State: Liquid purified IgG fraction from tissue culture supernatant Purification: Affinity Chromatography on Protein G Buffer System: PBS Preservatives: 0.09% Sodium Azide
Applications:	Immunoprecipitation. Immunohistochemistry frozen. Flow Cytometry: Use 10 µl of 1/50-1/200 diluted antibody to label 10 ⁶ cells in 100 µl. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises Rabbit T lymphocytes and immunoprecipitates, a 67kD glycoprotein. This antibody was initially reported as recognising Rabbit CD5 (Ref.1), but does <u>not</u> bind to Rabbit CD5 transfectants. Known Rabbit CD5 antibodies also show binding to most B lymphocytes (Ref.2), which are not labelled by this clone. Species: Rabbit. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing Shelf life: One year from despatch.
General Readings:	1. Kotani M, Yamamura Y, Tamatani T, Kitamura F, Miyasaka M. Generation and characterization of monoclonal antibodies against rabbit CD4, CD5 and CD11a antigens. J Immunol Methods. 1993 Jan 4;157(1-2):241-52. PubMed PMID: 7678632. 2. Raman C, Knight KL. CD5+ B cells predominate in peripheral tissues of rabbit. J Immunol. 1992 Dec 15;149(12):3858-64. PubMed PMID: 1281192. 3. Dewals B, Boudry C, Farnir F, Drion PV, Vanderplasschen A. Malignant catarrhal fever

induced by alcelaphine herpesvirus 1 is associated with proliferation of CD8+ T cells supporting a latent infection. PLoS One. 2008 Feb 20;3(2):e1627. doi: 10.1371/journal.pone.0001627. PubMed PMID: 18286184.

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5. Gillet L, Schroeder H, Mast J, Thirion M, Renault JC, Dewals B, et al. Anchoring tick salivary anti-complement proteins IRAC I and IRAC II to membrane increases their immunogenicity. Vet Res. 2009 Sep-Oct;40(5):51. doi: 10.1051/vetres/2009034. Epub 2009 Jun 18. PubMed PMID: 19531344.

6. Matsumura T, Kugiyama K, Sugiyama S, Ota Y, Doi H, Ogata N, et al. Suppression of atherosclerotic development in Watanabe heritable hyperlipidemic rabbits treated with an oral antiallergic drug, tranilast. Circulation. 1999 Feb 23;99(7):919-24. PubMed PMID: 10027816.

7. Hoefler IE, Grundmann S, van Royen N, Voskuil M, Schirmer SH, Ulusans S, et al. Leukocyte subpopulations and arteriogenesis: specific role of monocytes, lymphocytes and granulocytes. Atherosclerosis. 2005 Aug;181(2):285-93. PubMed PMID: 16039282.

8. Gu W, Holland M, Janssens P, Seamark R, Kerr P. Immune response in rabbit ovaries following infection of a recombinant myxoma virus expressing rabbit zona pellucida protein B. Virology. 2004 Jan 20;318(2):516-23. PubMed PMID: 14972520.

Pictures:

Staining of rabbit peripheral blood lymphocytes, visualised with rabbit anti-mouse IgG - FITC.

