

Monoclonal Antibody to CD90 - Azide Free

Alternate names:	CDw90, THY1, Thy-1, Thy-1 membrane glycoprotein
Catalog No.:	SM1170A
Quantity:	1 mg
Concentration:	1.0 mg/ml
Background:	CD90 is a 25kD glycoprotein homologous to rat Thy1. The antigen is expressed by a subset of CD34+ve cells in the bone marrow and by prothymocytes within the thymus. CD90 is also expressed extensively within the brain.
Uniprot ID:	P04216
NCBI:	NP_006279.2
GeneID:	7070
Host / Isotype:	Mouse / IgG1
Clone:	F15-42-1
Immunogen:	Purified human brain Thy-1. Spleen cells from immunised BALB/c mice were fused with cells of the mouse NS-1 myeloma cell line.
Format:	State: Liquid purified IgG Purification: Affinity chromatography on Protein G Buffer System: PBS, pH7.4
Applications:	Immunoprecipitation. Flow Cytometry: 1/50 - 1/100; Use 10µl of the suggested working dilution to label 10e6 cells in 100µl. Immunohistochemistry on frozen sections. Recommended Positive Control: Human Brain, thymus. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises the CD90 cell surface antigen. This product is routinely tested in flow cytometry on the MOLT4 cell line. Species: Human, Cynomolgus monkey Other species not tested.
Storage:	Store the antibody at -20°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General References:	1. McKenzie, J.L. and Fabre, J.W. (1981) Human Thy-1: Unusual localization and possible functional significance in lymphoid tissues. J. Immunol. 126: 843-850. 2. Daar, A.S. and Fabre, J.W. (1981) Demonstration with monoclonal antibodies of an unusual mononuclear cell infiltrate and loss of normal epithelial membrane antigens in

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human breast carcinomas. *Lancet*. 2: 434-438.

3. Yoshino, N. et al. (2000) Upgrading of flow cytometric analysis for absolute counts, cytokines and other antigenic molecules of Cynomolgus monkeys (*Macaca fascicularis*) by using anti-human cross-reactive antibodies. *Exp. Anim.* 49 (2): 97-110.

4. Fiegat, H. C. et al. (2004) Stem-like cells in human hepatoblastoma. *J. Histochem. Cytochem.* 52: 1495-1501.

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