

Monoclonal Antibody to CD90 - Purified

Alternate names:	CDw90, THY1, Thy-1, Thy-1 membrane glycoprotein
Catalog No.:	SM1170PT
Quantity:	20 µg
Concentration:	1.0 mg/ml
Background:	CD90 antigen is a 25 kD glycoprotein homologous to rat Thy-1. The antigen is expressed by a subset of CD34+ve cells in the bone marrow and by some cells 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
Format:	State: Liquid purified IgG fraction. Purification: Ion Exchange Chromatography. Buffer System: PBS, pH 7.4 containing 0.09% Sodium Azide as preservative.
Applications:	Flow Cytometry (1/10-1/50): use 10µl of the suggested working dilution to label 1x10 ⁶ cells in 100µl. Immunoprecipitation. Immunohistochemistry on Frozen Sections. Positive Control Tissue: Human Brain, Thymus. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	SM1170 recognises the CD90 cell surface antigen. Species: Human. Cross reacts with Cynomolgus Monkey, Monkey. Other species not tested.
Add. Information:	This product is routinely tested in Flow Cytometry on the MOLT4 cell line.
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 References:	1. McKenzie, J.L. and Fabre, J.W. (1981). Human Thy-1: Unusual localization and possible functional significance in lymphoid tissues. <i>J. Immunol.</i> 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 human breast carcinomas. <i>Lancet.</i> 2: 434-438.

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com

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.
5. Hagood, J.S. et al. (2005). Loss of fibroblast Thy-1 expression correlates with lung fibrogenesis. *Am. J. Pathol.* 167:365-379.

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