

Monoclonal Antibody to CD90 - PE

Alternate names:	CDw90, THY1, Thy-1, Thy-1 membrane glycoprotein
Catalog No.:	SM1170R
Quantity:	100 Tests
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. Spleen cells from immunised BALB/c mice were fused with cells of the mouse NS1 myeloma cell line.
Format:	State: Lyophilized purified IgG fraction. Purification: Ion Exchange Chromatography. Buffer System: PBS, pH 7.4 containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer. Label: PE – R. Phycoerythrin (RPE) Reconstitution: Restore in 1 ml distilled water.
Applications:	Flow Cytometry: Use 10µl of neat antibody to label 10e6 cells in 100µl. This product is routinely tested in Flow Cytometry on the MOLT4 cell line. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	SM1170R recognises the human CD90 cell surface antigen, 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. Species: Human and Monkey. Other species not tested.
Storage:	Store the antibody undiluted Prior to and following reconstitution at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light. 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.

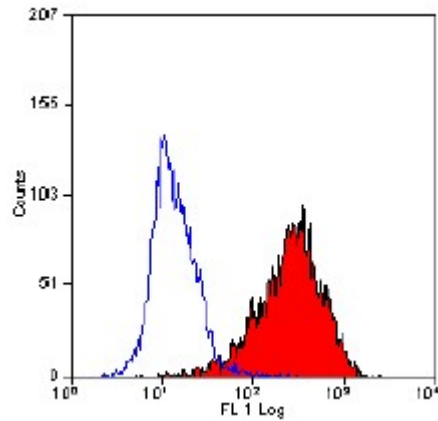
For research and in vitro use only. Not for diagnostic or therapeutic work.

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

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. *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.

Pictures:



Staining of HUT78 cells with MOuse anti Human CD90-PE antibody SM1170R.

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