

Monoclonal Antibody to CD49d / ITGA4 - PE

Alternate names:	CD49 antigen-like family member D, Integrin alpha-4, Integrin alpha-IV, VLA-4, VLA4
Catalog No.:	SM1129RT
Quantity:	25 Tests
Background:	CD49d is expressed by lymphocytes, monocytes, eosinophils and thymocytes. VLA-4 mediates cell adhesion to VCAM-1 and fibronectin.
Uniprot ID:	P13612
NCBI:	NP_000876.3
GeneID:	3676
Host / Isotype:	Mouse / IgG1
Clone:	44H6
Immunogen:	HOON pre-B leukaemia cell line. Spleen cells from immunised BALB/c mice were fused with cells of the SP2.0-Ag14 mouse myeloma cell line.
Format:	State: Lyophilized purified IgG fraction Purification: Ion Exchange Chromatography. Buffer System: PBS, pH7.4 Preservatives: 0.09% Sodium Azide Stabilizers: 1% BSA 5% Sucrose Inert Bulking Reagent Label: PE – R. Phycoerythrin (RPE) Reconstitution: Restore with 1.0 ml distilled water.
Applications:	Flow Cytometry: Use 10 µl of neat antibody to label to label 10e6 cells or 100 µl whole blood. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises CD49d, also known as integrin alpha 4 subunit, which associates with either integrin beta 1 (to form VLA-4) or beta 7. Species: Human. Other species not tested.
Storage:	Prior to and following reconstitution store the antibody undiluted at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light. Shelf life: one year from despatch.

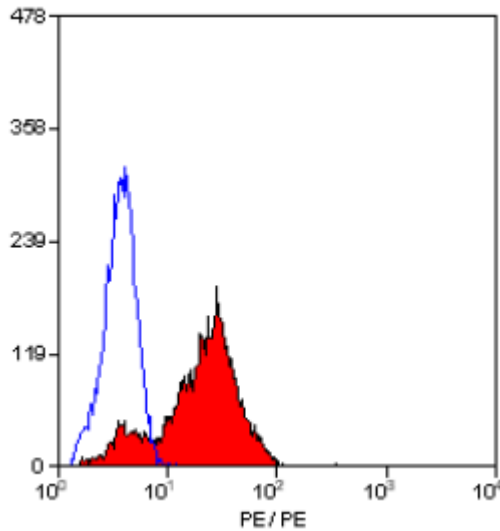
For research and in vitro use only. Not for diagnostic or therapeutic work.

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

- General References:** 1. Quackenbush, E.J. and Letarte, J. (1985) Identification of several cell surface proteins of non-T, non-B Acute lymphoblastic Leukaemia by using monoclonal antibodies. *J. Immunol.* 134: 1276-1285.
2. Letarte, M., Seehafer, J.G., Greaves, A., Masellis-Smith, A. and Shaw, A.R.E. (1993) Homotypic aggregation of pre-B Leukaemic cell lines by antibodies to VLA Integrins correlates with their expression of CD9. *Leukemia* 7 (1): 93-103.

Pictures:



Staining of human peripheral blood lymphocytes with Mouse Anti Human CD49d-RPE (SM1129R/RT).

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