

Rat anti-Mouse CD49d/VLA-4 Monoclonal Antibody

Rat Anti-Mouse CD49d/VLA-4a-BIOT

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA78664	Rat	Mouse	Immunoprecipitation, Immunohistochemistry, Flow Cytometry, Functional Assay

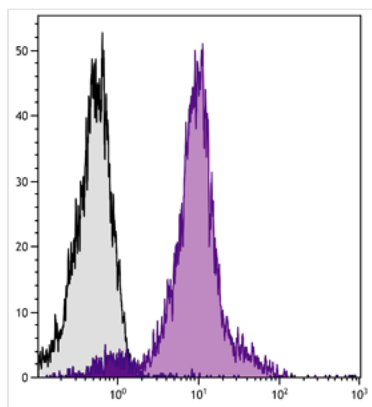
PRODUCT SYNONYMS

CD49d/VLA-4; Monoclonal Antibody; Rat Anti-Mouse CD49d/VLA-4a-BIOT; Rat Anti-Mouse CD49d/VLA-4a - Biotin; Rat Anti-Mouse CD49d/VLA-4; anti-CD49d/VLA-4 antibody

PRODUCT SPECIFICATIONS

Host	Rat
Reactivity	Mouse
Clonality	Monoclonal
Isotype	IgG2b kappa
Clone Number	PS/2
Specificity	Mouse/Human CD49d; Mr 150 kDa
Form/Format	Biotin (BIOT) Conjugate
Applicable Applications for anti-CD49d/VLA-4 antibody	Blocking, IP (Immunoprecipitation), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Immunogen	P815 cells
Preparation and Storage	The biotin (BIOT) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN3. Store at 2-8°C.

IMAGES



Application Data

BALB/c mouse splenocytes were stained with Rat Anti-Mouse CD49d-PE

ADDITIONAL INFORMATION

Related Product Information for anti-CD49d/VLA-4 antibody	VLA-4 belongs to the α 1-integrin family, which functions both as cell-matrix and cell-cell receptors. As a matrix receptor VLA-4 binds to an alternatively spliced domain of fibronectin, while as a cellular receptor it associates with its counter-receptor ligand VCAM-1. In addition to CD44/Pgp-1, VLA-4 has been shown to be important for lymphopoiesis, and is also believed to be important for extravasation of lymphocytes into sites of inflammation as a second signal in addition to LFA/ICAM-1. CD49d is expressed in low amounts on resting lymphocytes and monocytes, is absent or minimally detectable on stromal cells, whereas virtually all lymphoid and myeloid cells in bone marrow and in long-term culture are positive. Antibody PS/2 also reacts with human VLA-4.
References	1. Miyake, K., I. L. Weissman, J. S. Greenberger, and P. W. Kincade. 1991. J. Exp. Med. 173:599. 2. Christensen, J. P., E. C. Andersson, A. Scheynius, O. Marker, and A. R. Thomsen. 1995. J. Immunol. 154:5293. 3. Henseleit, U., K. Steinbrink, C. Sunderkotter, M. Goebeler, J. Roth, and C. Sorg. 1994. Exp. Dermatol. 3:249 4. Lauri, D., C. De Giovanni, T. Biondelli, E. Lalli, L. Landuzzi, A. Facchini, G. Nicoletti, P. Nanni, E. Dejana, and P. L. Lollini. 1993. Br. J. Cancer 68:862.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd49d-vla-4-antibody-clone-ps-2-immunoprecipitation-immunohistochemistry-flow-cytometry-elisa/78664>