

Monoclonal Antibody to CD49b / ITGA2 - PE

- Alternate names:** CD49 antigen-like family member B, Collagen Receptor, GPIa, ITGA-2, Integrin alpha-2, Platelet membrane glycoprotein Ia, VLA-2 alpha, VLA2
- Catalog No.:** AM08156RP-N
- Quantity:** 100 Tests
- Background:** CD49b, a member of the integrin family of extracellular matrix and cell adhesion molecules, is the integrin alpha-2 chain. CD49b associates noncovalently with CD29, the integrin beta-1 subunit, to form the heterodimer integrin $\alpha 2\beta 1$ that binds laminin and collagen. It is expressed on B and T lymphocytes, NK cells, monocytes, platelets, fibroblasts and long-term cultured T cells. CD49b/CD29 mediates the Mg^{++} dependent adhesion of platelets to collagen. It may also be utilized by fibroblasts for the reorganization of the collagen matrix during wound healing.
- Uniprot ID:** [P17301](#)
- NCBI:** [NP_002194.2](#)
- GeneID:** [3673](#)
- Host / Isotype:** Mouse / IgG2a
- Clone:** HAS-4
- Format:** **State:** Liquid purified Ig fraction.
Buffer System: PBS containing 0.09% Sodium Azide as preservative and a stabilizing agent.
Label: PE – R-Phycoerythrin
- Applications:** **Flow Cytometry:** Identification and enumeration of CD49b+ cells (10 μ L/10e6 cells). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
- Specificity:** This antibody recognizes CD49b (Mr 200-210 kDa).
Species: Human.
Other species not tested.
- Storage:** Store the antibody undiluted at 2-8°C.
DO NOT FREEZE!
This product is photosensitive and should be protected from light.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.
- General Readings:** 1. Barclay, A.N., M.H. Brown, S.K.A. Law, A.J. McKnight, M.G. Tomlinson, and P.A. van der Merwe, eds. 1997. The Leukocyte Antigens. Facts Book, 2nd Edition, CD49b Section, Academic Press, New York, p. 257.
2. Favalaro, E. J., et al. 1990. Br. J. Haem. 74:385.
3. Mazurov, A. V., et al. 1991. Thromb. Haemost. 66:494.

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



4. Hemler, M.E. 1990. Annu. Rev. Immunol. 114:365.
5. Takada, Y., and M.E. Hemler. 1989. J. Cell. Biol. 109:397.

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