

Product datasheet for **AM08156PU-N**

CD49b (ITGA2) Mouse Monoclonal Antibody [Clone ID: HAS-4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	HAS-4
Applications:	FC, IP
Recommended Dilution:	Flow Cytometry: Identification and enumeration of CD49b+ cells ($< / = 1 \mu\text{g}/10\text{e}6$ cells). Immunoprecipitation.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Specificity:	This antibody recognizes CD49b (Mr 200-210 kDa).
Formulation:	100 mM Borate Buffered Saline, pH 8.2. No preservatives or amine-containing buffer salts added. State: Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Conjugation:	Unconjugated
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.
Stability:	Shelf life: one year from despatch.
Gene Name:	integrin subunit alpha 2
Database Link:	Entrez Gene 3673 Human P17301



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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.

Synonyms: Integrin alpha-2, ITGA-2, VLA-2 alpha, VLA2, GPIa, Collagen Receptor