

## Product datasheet for **AM08156RP-N**

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

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	HAS-4
Applications:	FC
Recommended Dilution:	<b>Flow Cytometry:</b> Identification and enumeration of CD49b+ cells (10 µL/10e6 cells).
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Specificity:	This antibody recognizes CD49b (Mr 200-210 kDa).
Formulation:	PBS containing 0.09% Sodium Azide as preservative and a stabilizing agent. Label: PE State: Liquid purified Ig fraction. Label: R-Phycoerythrin
Conjugation:	PE
Storage:	Store the antibody undiluted at 2-8°C. <b>DO NOT FREEZE!</b> This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	integrin subunit alpha 2
Database Link:	<a href="#">Entrez Gene 3673 Human P17301</a>
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 α2β1 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 <sup>++</sup> dependent adhesion of platelets to collagen. It may also be utilized by fibroblasts for the reorganization of the collagen matrix during wound healing.



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**Synonyms:**

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