

## Product datasheet for **SM1125LE**

### CD49b (ITGA2) Mouse Monoclonal Antibody [Clone ID: AK7]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	AK7
Applications:	FC, FN, IHC
Recommended Dilution:	<b>Flow Cytometry:</b> Use 1/50-1/100 diluted antibody to label 10 <sup>6</sup> cells in 100 µl. <b>Immunohistochemistry on Frozen Sections:</b> 1/500-1/1000. The epitope recognised by this antibody is reported to be sensitive to formaldehyde fixation and tissue processing. We recommend the use of acetone fixation for frozen sections. <b>Recommended Positive Control Tissue:</b> Tonsil. <b>Function studies:</b> This antibody clone AK7 inhibits cell attachment to collagen.
Reactivity:	Human, Monkey
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Spleen cells from immunised mice were fused with cells of the mouse NS1 myeloma cell line.
Specificity:	This antibody recognizes the integrin alpha 2 subunit.
Formulation:	PBS State: Low Endotoxin State: Liquid purified IgG fraction Stabilizer: None Preservative: None
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	integrin subunit alpha 2



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**Database Link:** [Entrez Gene 3673 Human P17301](#)

**Background:** Integrin alpha2 subunit is a 160kD glycoprotein that non-covalently associates with the 130kD integrin beta1 subunit to form the VLA-2 complex. CD49b is expressed by platelets, long term cultivated T cells, approximately 50% of monocytes and most adherent cell lines.

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