

## 30-2126: Anti-CD49b / Integrin alpha 2 Monoclonal Antibody (Clone:AK7)-PE Conjugated

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	AK7
<b>Application :</b>	FACS, IP, WB, IHC-Fr, ICC, ELISA
<b>Reactivity :</b>	Human, Non-Human Primates
<b>Conjugate :</b>	PE
<b>Gene :</b>	ITGA2
<b>Gene ID :</b>	3673
<b>Uniprot ID :</b>	P17301
<b>Alternative Name :</b>	ITGA2,CD49B
<b>Isotype :</b>	Mouse IgG1
<b>Immunogen Information :</b>	Human platelets

### Description

CD49b / Integrin alpha 2 (ITGA2; alpha 2 subunit of VLA-2) heterodimerizes with CD29 to form the VLA-2 integrin alpha2/beta1 complex, which serves as a receptor for type I collagen, laminin, and E-cadherin. It also acts as a receptor for echovirus. Expressed on platelets, activated lymphocytes, monocytes, fibroblasts, epithelial and endothelial cells, CD49b mediates adhesion of these cells to the extracellular matrix. This interaction supports e.g. T cell proliferation and cytokine production, or wound healing. Defect in CD49b is associated with bleeding disorder platelet-type 9. Antibodies against CD49b are found in several immune disorders, including neonatal alloimmune thrombocytopenia.

### Product Info

<b>Amount :</b>	100 tests
<b>Storage condition :</b>	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.

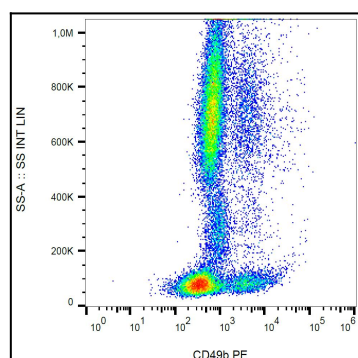


Figure 1: Surface staining of CD49b in human peripheral blood with anti-CD49b (AK7) PE.