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

Clonality: Monoclonal

Clone Name: AK7

Application : FACS, IP, WB, IHC-Fr, ICC, ELISA **Reactivity :** Human, Non-Human Primates

 Conjugate :
 PE

 Gene :
 ITGA2

 Gene ID :
 3673

 Uniprot ID :
 P17301

Alternative Name: ITGA2,CD49B Isotype: Mouse IgG1 Immunogen Information: 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, epitelial 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

Amount: 100 tests

Storage condition : Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.

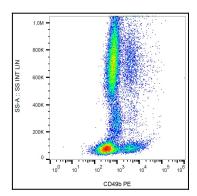


Figure 1: Surface staining of CD49b in human peripheral blood with anti-CD49b (AK7) PE.